

G3	Mathematics - Reveal	Reveal - الرياضيات	2023-2022
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Circle the letter corresponding to the correct answer.	ضع دائرة حول رمز الإجابة الصحيحة.
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Question	1	1	السؤال
Which is the standard form of six thousand, eighty-seven?			ما الصورة القياسية لـ ستة آلاف وسبع وثمانون؟
A	6,078		
B	6,087		
C	6,870		

Question	2	2	السؤال
Round 463 to the nearest 100.			قرب 463 إلى أقرب 100.
A	500		
B	400		
C	600		

Question	3	3	السؤال
Khadija estimates she traveled 730 miles last Monday and Tuesday. She traveled 311 miles on Tuesday. About how many miles could she have traveled on Monday?			تقدر خديجة أنها قطعت 730 ميلاً يومي الإثنين والثلاثاء الماضيين. قطعت 311 ميلاً يوم الثلاثاء. كم تقريباً عدد الأميال التي قطعتها يوم الإثنين؟
A	220		
B	320		
C	420		

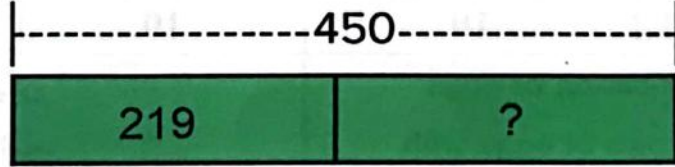


السؤال	4	Question
اختر المعادلة الصحيحة.	4	Choose the equation that is true.
A	زوجي = فردي + زوجي	even + odd = even
B	فردي = زوجي + زوجي	even + even = odd
C	زوجي = فردي + فردي	odd + odd = even

السؤال	5	Question
فكك واحد من الأعداد للطرح.	5	Decompose one number to subtract.
574 - 369	574 - 369	574 - 369
A	574 - 300 = 274 274 - 60 = 214 214 - 9 = ?	
B	574 - 70 = 504 504 - 4 = 500 500 - 300 = 200 200 - 5 = ?	
C	574 - 300 = 274 274 - 70 = 204 204 - 4 = ?	




السؤال	6	6	Question
تحاول عائشة حل $246 + 367$ ما المعادلة التي توضح كيف يمكنها تعديل الحدود الجمعية لإيجاد المجموع؟			Ayesha is trying to solve $246 + 367$. Which equation shows how she could adjust the addends to find the sum?
			A $250 + 360 = ?$
			B $250 + 370 = ?$
			C $250 + 363 = ?$



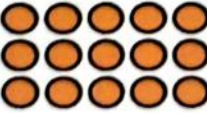
السؤال	7	7	Question
استخدم الرسم البياني الشريطي لمساعدتك في إيجاد العدد المجهول.			Use the bar diagram to help you find the missing number.
 <p>219 + _____ = 450 450 - _____ = 219</p>			
			A 221
			B 231
			C 241





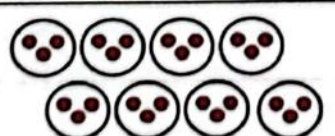
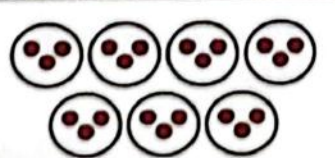
G3	Mathematics - Reveal	Reveal - الرياضيات	2023-2022
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Question	8	8	السؤال
Solve the equation.			حل المعادلة.
	$632 - 497 = \underline{\hspace{2cm}}$		$632 - 497 = \underline{\hspace{2cm}}$
A	125		
B	265		
C	135		

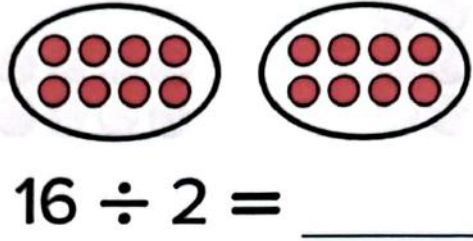
Question	9	9	السؤال
What equation represents the equal groups?			ما المعادلة التي تمثل المجموعات المتساوية؟
			
A	$2 \times 2 = 4$		
B	$2 \times 3 = 6$		
C	$2 \times 4 = 8$		

Question	10	10	السؤال
Fatema has a carton of eggs. There are 3 rows of eggs with 5 eggs in each row. Which array represents the problem?			لدى فاطمة كرتونة من البيض. يوجد فيها 3 صفوف من البيض وفي كل صف 5 بيضات. أي مصفوفة تمثل المسألة؟
A			
B			
C			

Question	11	11	السؤال
What multiplication equations represent these arrays?			ما معادلات الضرب التي تمثل هذه المصفوفات؟
			
A	$4 \times 2 = 8$ $2 \times 4 = 8$		
B	$4 \times 3 = 12$ $3 \times 4 = 12$		
C	$4 \times 5 = 20$ $5 \times 4 = 20$		

Question	12	12	السؤال
Which model represents the situation? $7 \times 3 = 21$ $21 \div 7 = 3$			أي نموذج يُمثل هذه الحالة؟ $7 \times 3 = 21$ $21 \div 7 = 3$
A			
B			
C			



Question	13	13	السؤال
Use the representation. What is the unknown?			استخدم التمثيل. ما قيمة المجهول؟
			
A	8		
B	14		
C	18		

Question	14	14	السؤال
Choose the equation that is true.			اختر المعادلة الصحيحة.
A	$2 \times 8 = 2 + 8$		
B	$2 \times 7 = 7 + 2$		
C	$2 \times 8 = 8 + 8$		



Question	15	15	السؤال
Complete the equation.		أكمل المعادلة.	
$8 \times 10 = \underline{\hspace{2cm}}$			
A		18	
B		80	
C		108	

Question	16	16	السؤال
Choose the equation that is true.		اختر المعادلة الصحيحة.	
A		$6 \times 0 = 6$	
B		$1 \times 10 = 5 \times 1$	
C		$0 \times 3 = 9 \times 0$	



السؤال	17	Question
يقرأ أحمد 60 كتاب خلال الأشهر الـ 10 الماضية. إذا قرأ نفس العدد من الكتب في كل شهر، كم عدد الكتب التي قرأها أحمد في كل شهر؟		Ahmad read 60 books during the past 10 months. If he read the same number of books every month, how many books did Ahmad read each month?
	5	A
	6	B
	50	C

السؤال	18	Question
أوجد القيمة المجهولة.		Find the unknown.
	$9 \times ? = 27$	
	3	A
	4	B
	5	C

Question	19	19	السؤال
Which is equal to 8×4 ?		ما الذي يساوي 8×4 ؟	
A		$8 \times 4 + 8 \times 1$	
B		$8 \times 2 + 8 \times 1$	
C		$8 \times 2 + 8 \times 2$	

Question	20	20	السؤال
There are 7 apples in each of 6 bags. How many apples are there?		يوجد 7 تفاحات في كل حقيبة من الـ 6 حقائب. كم عدد التفاحات الموجودة؟	
A		13	
B		42	
C		48	

أنتهت الأسئلة الأساسية

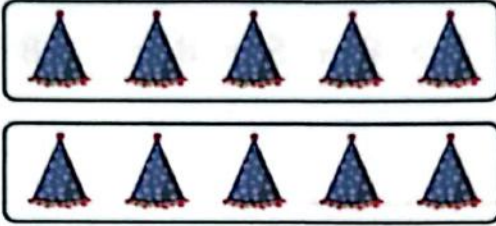


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***** BONUS *****			
Question	21	21	السؤال
Complete the following using properties of addition.		أكمل الآتي مستخدماً خواص الجمع.	
$165 + 203 = \text{ ——— } + 165$			
A		200	
B		203	
C		238	

***** BONUS *****			
Question	22	22	السؤال
Solve the equation. $123 + 433 = \text{---}$		حل المعادلة. $123 + 433 = \text{---}$	
A	456		
B	536		
C	556		

***** BONUS *****

Question	23	23	السؤال
Write a division equation to represent the model.			اكتب معادلة قسمة لتمثيل النموذج.
			
A	$5 \div 2 = 10$		
B	$10 \div 2 = 5$		
C	$5 \div 10 = 2$		

***** BONUS *****

Question	24	24	السؤال
Sara puts the same number of fish shown in each of 5 tanks. How many fish does she have?			تضع سارة نفس العدد من الأسماك المعروضة في كل من الأحواض الـ 5. كم سمكة لديها؟
			
A	30		
B	35		
C	40		



***** BONUS *****				
Question		25	25	السؤال
What number makes the equation true?			ما العدد الذي يجعل المعادلة صحيحة؟	
$2 \times 8 + 5 \times 8 = ? \times 8$				
A		3		
B		5		
C		7		

أنهت الأسئلة الإضافية

تدريبات على الاختبار الفصل الدراسي الأول

2024-2023

الاسم:

(1) حل التمارين التالية:

	2	6	9	2		
		9	5	4	+	
<hr/>						

	6	7	2	1		
		1	3	9	-	
<hr/>						

	1	6	4	5		
		8	6	1	+	
<hr/>						

	9	3	3	2		
		2	5	7	-	
<hr/>						

	8	9	0	3		
		7	7	3	-	
<hr/>						

	4	0	0	5		
		7	6	8	+	
<hr/>						

(2) حل المسائل الكلامية الآتية:

1- في الحقيقة 1834 شاقلاً أضافت الام عليهم 5407 شاقلاً
كم شاقلاً أصبح في الحقيقة؟

2- وزن شاحنة مع حمولتها 8,647 افرغت هذه الشاحنة الحمولة فأصبح وزنها
2,009 كغم. كم كان وزن الحمولة؟

(3) اكمل الناقص:

1. + 1781 > 2794

2. 3679 + < 7836

3. 1579 - > 1561

4. في صفّ الثالث عدّدُ البُتات هو 17 بنت وعدّدُ البنين أقلّ من عدّدِ البُتات بـ 5 ، ما هو عدّدُ تلاميذُ صفّ الثالث ؟

5. في موقفِ المركز التجاري 47 سِارة و 17 شاحنة و 8 باصات ، كم مركبة يوجد في موقفِ المركز التجاري ؟

6. اشترت ميسون 22 قلمَ حبر و 20 قلمَ رصاص ، و 6 محايات و 32 دفتر ، ما هو عدد اللوازم المدرسية التي اشترتها ميسون ؟

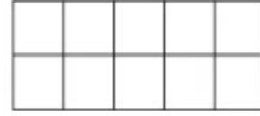
7. في صفّ السادس 17 ولد و 14 بنت ، 9 تلاميذ لم يشاركوا في الرحلة ، كم تلميذ شارك في الرحلة ؟

8- يستخدم الطباخ على ثلاث بيضات لعمل طبق البيض المخفوق فكم عدد أطباق البيض المخفوق التي يمكنه عملها من 12 بيضة؟

9- تملك مريم 18 خرزة وهي ترغب في تقسيمها بين صندوقين بالتساوي فكم عدد الخرزات الذي يجب أن تضعها مريم في كل صندوق؟

السؤال الأول : اختر الإجابة المناسبة وذلك بوضع دائرة حول الإجابة الصحيحة :

١) جملة الضرب التي تعبر عن هذه الشبكة



a) $2 \times 8 = 16$

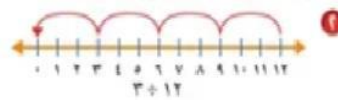
b) $3 \times 7 = 21$

c) $4 \times 4 = 16$

d) $2 \times 5 = 10$

2- ناتج قسمة $12 \div 3 = \dots\dots$

أشغّل الطرح المتكرر لأليس: مثال ١



a) 4

b) 7

c) 9

d) 5

3- ناتج ضرب $10 \times 9 = \dots\dots$

a) 20

b) 19

c) 90

d) 45

4- أجد العدد المفقود : $9 \div \square = 9$

a) 1

b) 9

c) 10

d) 0



$2 \times 9 =$

-5



$4 \times 3 =$

-6



$5 \times 5 =$

-7

- a) 703 b) 853 c) 753

$$445 + 308 =$$

-8

- a) 641 b) 704 c) 741

$$139 + 602$$

-9

- a) 3421 b) 4231 c) 4321

كتابة العدد أربعة آلاف وثلاث مئة وواحد وعشرون هي

- 10

- a) 1 b) 2 c) 8

الرقم المكتوب في منزلة الألوف في العدد 92108

- 11

- a) خاصية ابدائية b) خاصية المحايد c) خاصية تجميعية

$$5+3=3+5$$

-12

- a) خاصية ابدائية b) خاصية المحايد c) خاصية تجميعية

$$2+0=2$$

-13

- a) خاصية ابدائية b) خاصية المحايد c) خاصية تجميعية

$$2+(3+7)=(2+3)+7$$

-14

- a) 30 b) 20 c) 10

15- اقرب عشرة: 13

- a) 1500 b) 1490 c) 1100

16- اقرب عشرة: 1499

- a) 700 b) 800 c) 900

17- اقرب مئة: 750

- a) 4000 b) 4900 c) 3900

18- اقرب مئة: 3922

19- القيمة المنزلية للرقم 7 في العدد 4753 تساوي:

- a) 7 b) 70 c) 700 d) 7000

20- قرأ محمد كتابا يزيد 15 صفحة على كتاب حسام، إذا حوى كتاب حسام 30 صفحة، فكم عدد صفحات كتاب محمد؟

- a) 30 b) 45 c) 40 d) 35

21- العدد الذي يجعل الجملة التالية $3 + 5 + 9 = 3 + 9 + \underline{\hspace{1cm}}$ صحيحة هو:

- a) 17 b) 9 c) 5 d) 3

22 - الفرق بين العددين 60 و 90 هو:

- a) 150 b) 30 c) 15 d) 3

23- ناتج ضرب العددين $4 \times 4 = \dots\dots$

- a) 16 b) 12 c) 8 d) 4

24 - ناتج ضرب العددين $9 \times 2 = \dots\dots$

- a) 18 b) 7 c) 11 d) 28

25- العنصر المحايد في عملية الجمع هو:

- a) 3 b) 2 c) 1 d) 0

26- كم أصبعاً في يدي خمسة تلاميذ؟

- a) 15 b) 25 c) 20 d) 15

27- أي رموز العمليات التالية يجعل الجملة $6 \square 6 = 36$ صحيحة؟

- a) \times b) \div c) $+$ d) $-$

28- العدد (ألف وست مئة وسبعة وثلاثون) بالصيغة القياسية هو:

- a) 160037 b) 16307 c) 1673 d) 1637

29- العدد 339 مقرب لأقرب عشرة

- a) 400 b) 500 c) 340

30- العدد 268 مقرب لأقرب مئة :

- a) 270 b) 300 c) 200

ثانياً: ★

أقارن بوضع الإشارة المناسبة > , = , <

589 500 + 80 + 9

8415 8541



أرتب الأعداد من الأصغر إلى الأكبر

4804 , 4408 , 84440

.....



أقرب الأعداد الآتية إلى

أقرب عشرة:

77

.....



أقرب الأعداد الآتية إلى

أقرب مئة:

123

.....

ت

أقدر ناتج الجمع باستعمال التقريب

..... 54
..... 29 +

ب

اجمع

5 4 5
3 4 5 +

أ

اجمع

1 0 3
8 7 9 +

ثالثاً

رابعاً : ضع علامة (√) أمام العبارة الصحيحة، وعلامة (x) أمام العبارة الخاطئة فيما يلي:

١	الصيغة الموسعة للعدد (3486) = 3000+400+80 + 6	()
٣	أبدأ بمنزلة العشرات عندما أطرح 35 - 19 =	()
٤	الضرب عملية إبدالية، لذلك فإن: 3x5=15 وأيضاً 5x3=15	()

(أ) قَرِّب الأعداد التالية إلى المنزلة المطلوبة:

47 إلى أقرب عشرة 192 إلى أقرب مئة

(ب) قارن بين العددين التاليين بوضع الإشارة المناسبة (< , > , =)

760 562

325 235

6198 9167

744 745

(ج) رتب الأعداد التالية من الأصغر إلى الأكبر:

29 و 290 و 2900

..... ، ،

د- اوجد نواتج الجمع والطرح :

$$\begin{array}{r} \square \\ \square \quad \square \quad \square \\ 8 \quad 4 \quad 3 \\ - \quad 7 \quad 9 \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \quad 9 \quad 5 \\ - \quad 3 \quad 1 \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \quad 4 \quad 3 \\ + \quad 4 \quad 9 \quad 5 \\ \hline \end{array}$$

السؤال الخامس: (أ) اشترى بزن أقلاما بـ 40 ريالاً، إذا أراد دفع قيمتها بأوراق نقدية من فئة 10 ريالات. فكم ورقة نقدية سيدفع ثمناً للأقلام؟

(ب) لدى معلم الرياضيات 850 شيكا في برنامج شيك وزع منها 400 شيكا. فكم بقي معه؟

$$\begin{array}{c} 12 \\ 4 \quad 3 \\ \dots \times \dots = \dots \\ \dots \times \dots = \dots \\ \dots \div \dots = \dots \\ \dots \div \dots = \dots \end{array}$$

$$\begin{array}{c} 18 \\ 6 \quad 3 \\ \dots \times \dots = \dots \\ \dots \times \dots = \dots \\ \dots \div \dots = \dots \\ \dots \div \dots = \dots \end{array}$$

$$\begin{array}{c} 30 \\ 6 \quad 5 \\ \dots \times \dots = \dots \\ \dots \times \dots = \dots \\ \dots \div \dots = \dots \\ \dots \div \dots = \dots \end{array}$$

$$\begin{array}{c} 42 \\ 6 \quad 7 \\ \dots \times \dots = \dots \\ \dots \times \dots = \dots \\ \dots \div \dots = \dots \\ \dots \div \dots = \dots \end{array}$$

$$\begin{array}{c} 12 \\ 6 \quad 2 \\ \dots \times \dots = \dots \\ \dots \times \dots = \dots \\ \dots \div \dots = \dots \\ \dots \div \dots = \dots \end{array}$$

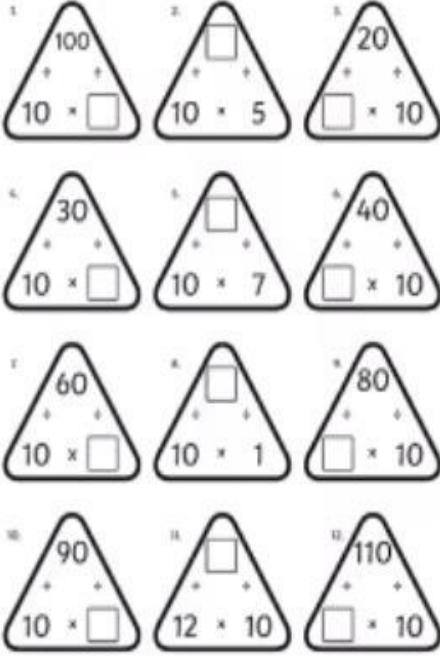
$$\begin{array}{c} 18 \\ 9 \quad 2 \\ \dots \times \dots = \dots \\ \dots \times \dots = \dots \\ \dots \div \dots = \dots \\ \dots \div \dots = \dots \end{array}$$

$$\begin{array}{c} 24 \\ 6 \quad 4 \\ \dots \times \dots = \dots \\ \dots \times \dots = \dots \\ \dots \div \dots = \dots \\ \dots \div \dots = \dots \end{array}$$

$$\begin{array}{c} 70 \\ 10 \quad 7 \\ \dots \times \dots = \dots \\ \dots \times \dots = \dots \\ \dots \div \dots = \dots \\ \dots \div \dots = \dots \end{array}$$

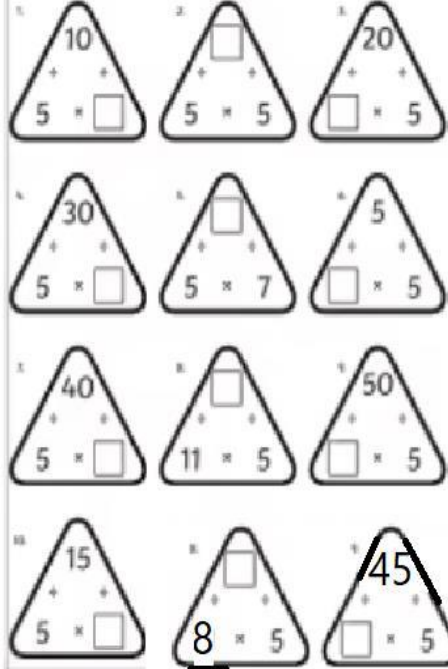
مثلثات ضرب الأعداد Multiplication Triangles

أكمل الفراغات في مثلثات ضرب الأعداد التالية.
Fill in the blanks in these multiplication triangles.



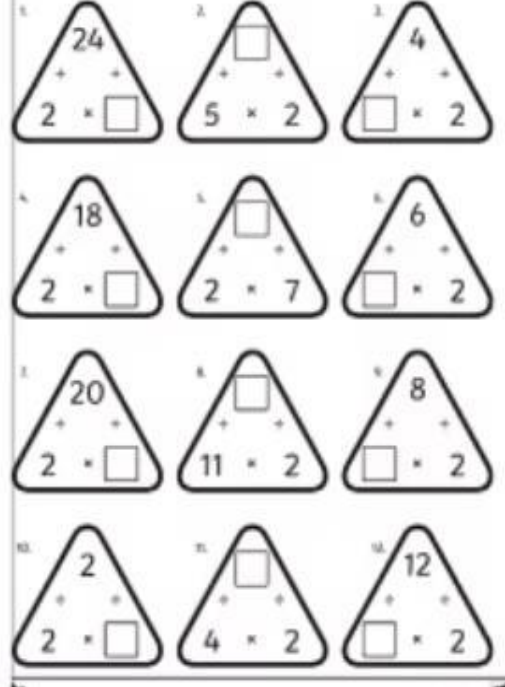
مثلثات ضرب الأعداد Multiplication Triangles

أكمل الفراغات في مثلثات ضرب الأعداد التالية.
Fill in the blanks in these multiplication triangles.



مثلثات ضرب الأعداد Multiplication Triangles

أكمل الفراغات في مثلثات ضرب الأعداد التالية.
Fill in the blanks in these multiplication triangles.



(ب) اكمل الفراغات التالية بالأعداد المناسبة:

$\square \times 10 = 90$	$4 \times 2 = \square$	$\square \times 4 = 20$
$3 \times \square = 3$	$2 \times 6 = \square$	$2 \times \square = 16$

انتهت الأسئلة

وفقكم الله وجعلكم فخرا لوطنكم، وأمتكم.



مؤسسة الإمارات للتعليم المدرسي
EMIRATES SCHOOLS ESTABLISHMENT



Math
Grade 3
Ex1- Exam
Coverage
Term1
2023\2024

Name:-----

Grade: 3\-----

MATHEMATICS

Term الفصل	1
Subject	Mathematics
Grade	3
Stream	General
Number of Main Questions عدد الأسئلة الموضوعية	15
Marks per Main Question درجة الأسئلة الموضوعية	4
Number of Bonus Questions عدد الأسئلة المقالية	5
Marks per FRQ الدرجات للأسئلة المقالية	(7-8)
Type of All Questions نوع كافة الأسئلة	MCQ الأسئلة الموضوعية FRQ الأسئلة المقالية
* Maximum Overall Grade * الدرجة القصوى الممكنة	100
Exam Duration مدة الامتحان	150minutes

Question* السؤال	Learning Outcome/Performance Criteria** نتائج التعلم / معايير الأداء**	Reference(s) in the Student Book (English Version) المراجع في كتاب الطالب (النسخة الانجليزية)		
		Example/Exercise مثال / تمرين	Page الصفحة	
الأسئلة المتعددة الخيارات - MCQ	1	Represent 4-digit numbers in expanded form, word form, and standard form using an understanding of place value.	(1,2)	35
			8	36
	2	Round numbers to the nearest 10 or nearest 100.	(1-8)	39
			(9-11)	40
	3	Use partial sums to add 3-digit numbers.	(1-7)	57
			(8,9)	58
	4	Use related addition equations to find the difference.	(1-5)	69
			(6-9)	70
	5	Explain different strategies to add 3-digit numbers.	(1-4)	73
			(8,9)	74
	6	Explain the meaning of multiplication as equal groups.	(1-8)	93
			7	122
	7	Demonstrate an understanding of the Commutative Property of Multiplication.	(1-6)	103
			8	122
	8	Represent division with equal grouping.	(1-6)	111
			(13,15)	123
	9	Use representations to determine the unknown in a multiplication or division equation.	(1-6)	119
			9	122
	10	Describe and use patterns to multiply by 2.	(4-10)	131
			1	137
2			138	
11	Describe and use patterns to multiply by 5.	(12-15)	136	
		9	156	
12	Describe and use patterns to multiply by 10.	(5-10)	141	
		(11-14)	142	
13	Represent a problem with equal groups and an equation & Use equal groups to solve an equation.	(1-4)	153	
		(9-11)	154	
14	Apply the properties of multiplication to recall 3s facts.	(1-11)	169	
		(13,17)	195	
15	Apply the properties of multiplication to recall 6s facts.	(1-7)	177	
		(8-17)	178	
الأسئلة المطابقة - FRQ	16	a) Use round the numbers to estimate a sum or difference & Use compatible numbers to estimate a sum or difference.	(9-12)	46
			10	84
		b) Explain different strategies to subtract 3-digit numbers.	(1-7)	77
	17	Write and solve equations to represent a two-step problem. Use letters for unknowns.	(5-7)	81
			19	85
	18	(a+b+c) Use arrays to represent multiplication.	(1-6)	97
			(7-10)	98
	19	a) Describe and use patterns to multiply with 0 and 1 , Use known patterns to solve unknown facts. b) Describe and use patterns to multiply by 10.	Work Together	144
			(1-4)	141
	20	Demonstrate an understanding of the Distributive Property.	(1-6)	165
(7-10)			166	
*	Questions might appear in a different order in the actual exam, or on the exam paper.			
*	لا تظهر الأسئلة بترتيب مختلف في الامتحان الفعلي، أو على ورقة الامتحان .			
**	As it appears in the textbook, LMS, and (Main_IP).			
**	كما يرون في كتاب الطالب (النسخة الانجليزية) و LMS والخطه النصية .			

2

Round numbers to the nearest 10 or nearest 100.

(1-8)

39

(11-9)

40

5. Round 436 to the nearest 100. 6. Round 672 to the nearest 100.

436 rounded to the nearest 100
is _____.

672 rounded to the nearest 100
is _____.

7. How can the number 78 round to 80 and 100? Explain.

8. A number rounded to the nearest 10 is 240. What number could it be? _____

9. How can you use the number line to show why 678 rounded to the nearest 100 is 700? Explain your reasoning.



10. **Error Analysis** Tess says that 315 rounded to the nearest 10 is 310. Do you agree? Explain your reasoning.

11. Jack is making a fruit salad. He puts in 9 strawberries, 25 orange wedges, 19 kiwi slices, 27 blueberries, 16 grapes, and 21 raspberries. Which fruits does he use about 20 of?

How can you decompose each addend? What is the sum?

1. $247 + 564 =$ _____

2. 815

$+ 148$

3. 729

$+ 148$

4. $327 + 176 =$ _____

5. Whitney uses partial sums to add. Look at her work to determine which two numbers were in her original equation.

_____ + _____ = 598

$200 + 300 = 500$

$10 + 80 = 90$

$6 + 2 = 8$

$500 + 90 + 8 = 598$

3

Use partial sums to add 3-digit numbers. .

(1-7)

57

(8,9)

58

6. How can you determine which addends are in the original equation by looking at the partial products?

7. Tyrone spent 172 days in school last year. If he attends school the same number of days next year, how many days will he spend in school in two years?

How can you find the sums in a different way?

8. $475 + 325 = 800$

$$400 + 300 = 700$$

$$70 + 20 = 90$$

$$5 + 5 = 10$$

$$700 + 90 + 10 = 800$$

9. 238

$$\begin{array}{r} 238 \\ +271 \\ \hline \end{array}$$

$$400$$

$$100$$

$$\begin{array}{r} 238 \\ +271 \\ \hline 509 \end{array}$$

$$509$$

4

Use related addition equations to find the difference.

(1-5)

69

(6-9)

70

How can you write a related addition equation for the subtraction equation?

1. $635 - 202 = ?$ _____

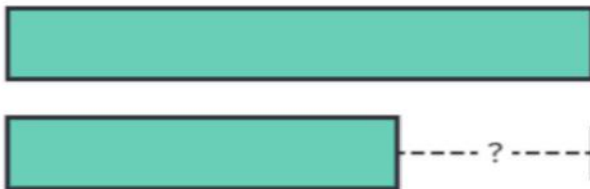
2. $400 - 151 = ?$ _____

3. $825 - 134 = ?$ _____

4. **Error Analysis** Jayla knows she can use addition to subtract. She adds $301 + 447$ to find the difference of $447 - 301$. How can you help her understand how to use this strategy?

5. On Monday, 549 people visited the aquarium. On Friday, 823 people visited the aquarium. How many more people visited the aquarium on Friday?

- a. How can you fill in the bar diagram to represent the problem?



- b. How can you write an equation with an unknown to represent the bar diagram?

4

Use related addition equations to find the difference.

(1-5)

69

(6-9)

70

How can you use the relationship between addition and subtraction to find the difference?

6. $480 - 318 = \underline{\hspace{2cm}}$

7. $\underline{\hspace{2cm}} = 300 - 179$

8. $705 - 239 = \underline{\hspace{2cm}}$

9. $212 - 135 = \underline{\hspace{2cm}}$

5

Explain different strategies to add 3-digit numbers.

(1-4)

73

(8,9)

74

How can you solve the equation?

1. $437 + 269 = \underline{\hspace{2cm}}$

2. $\underline{\hspace{2cm}} = 123 + 443$

3. $\underline{\hspace{2cm}} = 367 + 512$

4. $791 + 111 = \underline{\hspace{2cm}}$

How can you solve the equation? Explain your addition strategy.

8. $458 + 139 = \underline{\hspace{2cm}}$

9. $719 + 234 = \underline{\hspace{2cm}}$

6

Explain the meaning of multiplication as equal groups

(1-8)

93

7

122

How many? Fill in the blanks.

1.



_____ equal groups of _____

2.



_____ equal groups of _____

How can you represent the equal groups?

3. 2 equal groups of 7

4. 4 equal groups of 5

How many objects?

5. 4 equal groups of 4 pencils

$$4 \times 4 = \underline{\hspace{2cm}}$$

_____ pencils

6. 3 equal groups of 2 mittens

$$3 \times 2 = \underline{\hspace{2cm}}$$

_____ mittens

What equation represents the equal groups?

7.



8.



6

Explain the meaning of multiplication as equal groups

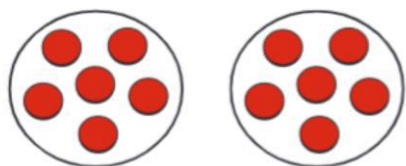
(1-8)

93

7

122

7. How can you represent these groups of counters?



$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

7

Demonstrate an understanding of the Commutative Property of Multiplication

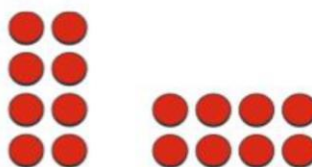
(1-6)

103

8

122

1. What two multiplication equations represent these arrays?



2. Sam says that 6×2 and 2×6 have the same product. Do you agree with Sam? Explain why or why not.

What makes the equation true? Fill in the blank.

3. $5 \times 6 = 6 \times \underline{\quad}$

4. $9 \times 0 = \underline{\quad} \times 9$

5. Use representations to show 2×3 is equal to 3×2 .

6. Use representations to show 1×4 is equal to 4×1 .

7	Demonstrate an understanding of the Commutative Property of Multiplication	(1-6)	103
		8	122

8. How can you complete the equations?

$$5 \times \underline{\hspace{2cm}} = 35$$

$$7 \times \underline{\hspace{2cm}} = 35$$

8	Represent division with equal grouping.	(1-6)	111
		(13,15)	123

How can you draw a representation and answer the question?

1. 6 dogs
2 dogs at each water bowl
How many water bowls?

2. 8 balloons
2 balloons for each child
How many children?

3. 10 plates
5 plates on each table
How many tables?

4. 12 beads
4 beads for each bracelet
How many bracelets?

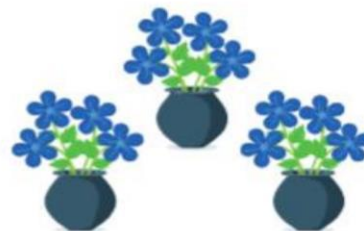
Which division equation describes the representation?

5.



- A. $15 \div 3 = 5$
 B. $15 = 3 \div 3$
 C. $15 \div 5 = 5$
 D. $12 \div 5 = 5$

6.



- A. $12 \div 4 = 4$
 B. $12 = 3 \div 4$
 C. $12 \div 5 = 4$
 D. $12 \div 3 = 4$

13. Mason will place 18 pennies into jars. He will place 9 pennies in each jar.



What equation represents the problem?

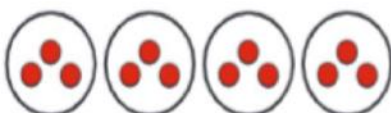
_____ \div _____ = _____

14. Sophia will buy 6 tomato plants. The plants cost \$5 each. How much money does Sophia need to buy the plants?

\$ _____

Use the representation. What is the unknown?

1. $4 \times \underline{\hspace{2cm}} = 12$



2. $\underline{\hspace{2cm}} \times 7 = 21$



9

Use representations to determine the unknown in a multiplication or division equation.

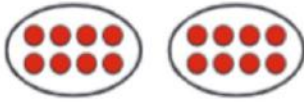
(1-6)

119

9

122

3. Robert has 16 pencils. He puts an equal number of pencils in 2 boxes. How many pencils does he put in each box?



$16 \div 2 = \underline{\hspace{2cm}}$

$2 \times \underline{\hspace{2cm}} = 16$

How can you draw a representation to find the unknown?

4. $4 \div 2 = \underline{\hspace{2cm}}$

5. $6 \times \underline{\hspace{2cm}} = 18$

6. $18 \div 2 = \underline{\hspace{2cm}}$

7. $\underline{\hspace{2cm}} \times 3 = \underline{\hspace{2cm}}$

9. What number makes the equation true?

$2 \times ? = 16$

- A. 7
- B. 8
- C. 9
- D. 10

...:::

4. Draw a line to connect the related equations.

$2 \times ? = 4$

$7 + 7 = ?$

$2 \times ? = 10$

$2 + 2 = ?$

$2 \times ? = 14$

$5 + 5 = ?$

How can you complete the equation?

5. $2 \times 9 = \underline{\quad}$

6. $\underline{\quad} = 2 \times 10$

7. $6 \times 2 = \underline{\quad}$

8. $8 = \underline{\quad} \times 2$

9. $\underline{\quad} \times 2 = 6$

10. $7 \times 2 = \underline{\quad}$

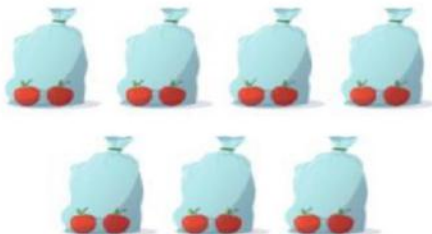
Consider the equation $2 \times 7 = 14$.

1. Circle *all* drawings that show 2 groups of 7.

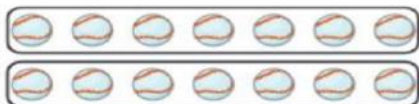
a.



b.



c.



d.



Consider the equation $5 \times 2 = 10$.

2. Circle *all* drawings that show 5 groups of 2.

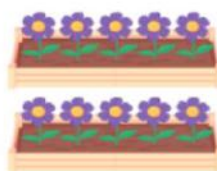
a.



b.



c.



d.



12. Mary Lou does 5 jumping jacks. If she does the same number of jumping jacks for 4 days in a row, how many jumping jacks does Mary Lou do?

13. Sara puts the same number of fish shown in each of 5 tanks. How many fish does she have?



14. Which equations are true? Choose all that apply.

A. $5 \times 3 = 3 + 3 + 3$

B. $3 \times 5 = 5 + 5 + 5$

C. $5 \times 2 = 5 + 2$

D. $5 \times 4 = 4 + 4 + 4 + 4 + 4$

9. Each book at the book fair was on sale for \$5. Dvora bought 9 books. How much did she spend on books at the book fair?

A. \$30

B. \$35

C. \$40

D. \$45

How can you complete the equation?

5. $5 \times 10 = \underline{\hspace{2cm}}$

6. $10 \times \underline{\hspace{2cm}} = 70$

7. $\underline{\hspace{2cm}} = 6 \times 10$

8. $\underline{\hspace{2cm}} = 10 \times 2$

9. $\underline{\hspace{2cm}} \times 10 = 90$

10. $8 \times 10 = \underline{\hspace{2cm}}$

11. There are 3 logs in the pond. There are 10 frogs on each log. How many frogs are there?

12. Larry walks 5 miles in a week. He walks the same number of miles for 10 weeks. How many miles does Larry walk?

13. Which equations are true? Circle all that are correct.

A. $5 \times 8 = 4 \times 10$

B. $3 \times 5 = 3 \times 10$

C. $10 + 10 = 10 \times 10$

D. $10 + 10 = 2 \times 10$

14. **Extend Your Thinking** How does knowing 5×4 help you remember 10×4 ?

- 13** Represent a problem with equal groups and an equation
Use equal groups to solve an equation.

(1-4)

153

(9-11)

154

How can you write a multiplication and division equation for the problem? Write a ? for the unknown.

1. Eight friends share 40 apple slices. If each friend receives the same amount of apple slices, how many does each person receive?
2. Bobbie, Wendy, and Winston spent a total of \$21 to go to the movies. If it cost each person the same amount, how much did each person spend?
3. Jermaine ran 56 minutes over seven days. If he ran the same amount of time each day, how many minutes did he run each day?
4. June earns \$25 for working five hours. If she earns the same amount each hour, how much does she get paid per hour?
9. Sam bought tickets to the county fair. How much did each ticket cost if each costs the same amount?
10. Carlos spends 35 minutes on homework. He spends the same amount of time on each of his 5 assignments. How long does he spend on each assignment?
11. **STEM Connection** It takes Grace 24 hours to write a computer program for 4 robots. If each program takes the same amount of time to write, how long does it take Grace to write one program? Explain.



What number completes the equation?

1. $3 \times 4 = \underline{\hspace{2cm}}$

2. $3 \times \underline{\hspace{2cm}} = 6 \times 3$

3. $24 = 3 \times \underline{\hspace{2cm}}$

4. $3 \times \underline{\hspace{2cm}} = 6$

5. $3 \times 10 = 10 \times \underline{\hspace{2cm}}$

6. $0 \times 3 = \underline{\hspace{2cm}}$

7. $3 \times \underline{\hspace{2cm}} = 3$

8. $\underline{\hspace{2cm}} = 3 \times 9$

How can you decompose a factor to solve the problem?
Show your thinking.

9. Wyatt saves \$5 each week. How much money will he have after 3 weeks?

10. Otto has 7 packs of 3 erasers. How many erasers does Otto have in all?

11. Caitlyn walks dogs 3 times a day. She walks dogs 6 days in a row. How many walks does she take during those 6 days?

14 Apply the properties of multiplication to recall 3s facts.

(1-11)

169

(13,17)

195

13. Which equation represents how to find the product for this array? (Lesson 5-2)



- A. $3 \times 9 = 3 \times 5 + 3 \times 4$
- B. $3 \times 9 = 3 \times 3 + 5 \times 6$
- C. $3 \times 9 = 3 \times 5 + 5 \times 5$
- D. $3 \times 9 = 3 \times 3 + 3 \times 3$

17. Find the unknown.

$$7 \times ? = 21$$

- A. 3
- B. 4
- C. 5
- D. 6

15 Apply the properties of multiplication to recall 6s facts.

(1-7)

177

(8-17)

178

How can you use the 3s facts to find the unknown?

- 1. $3 \times 9 = 27$ $6 \times 9 = \underline{\hspace{2cm}}$
- 2. $15 = 3 \times 5$ $\underline{\hspace{2cm}} = 5 \times 6$
- 3. $24 = 8 \times 3$ $8 \times 6 = \underline{\hspace{2cm}}$
- 4. $6 \times 3 = 18$ $6 \times \underline{\hspace{2cm}} = 36$

How can you decompose to solve the problem?
Show your thinking.

5. Paul packs 8 boxes of snack bags for a school picnic. There are 6 snack bags in each box. How many snack bags does Paul pack in all?

15

Apply the properties of multiplication to recall 6s facts.

(1-7)

177

(8-17)

178

How can you decompose to solve the problem?

Show your thinking.

6. Roger places 5 basketballs in each crate. There are 6 crates. How many basketballs does Roger place in crates?

7. **Error Analysis** Brittany places action figures on 7 shelves with 6 on each shelf. She decomposes to find the total number of action figures. Do you agree with her work shown below? Explain.

$$7 \times 6 = 4 \times 3 + 3 \times 3$$

$$7 \times 6 = 12 + 9$$

$$7 \times 6 = 21$$

What completes the equation?

8. $6 \times 7 = \underline{\hspace{2cm}}$

9. $30 = \underline{\hspace{2cm}} \times 6$

10. $12 = \underline{\hspace{2cm}} \times 2$

11. $4 \times 6 = \underline{\hspace{2cm}} \times 4$

12. $9 \times 6 = \underline{\hspace{2cm}}$

13. $\underline{\hspace{2cm}} = 6 \times 10$

14. $1 \times 6 = 6 \times \underline{\hspace{2cm}}$

15. $6 \times 8 = \underline{\hspace{2cm}}$

15

Apply the properties of multiplication to recall 6s facts.

(1-7)

177

(8-17)

178

16. Which are equal to 6×5 ?

Choose all that apply.

A. 5×6

B. $3 \times 5 + 3 \times 5$

C. $5 \times 4 + 1 \times 1$

D. 6×3

E. $5 \times 5 + 1 \times 5$

F. $3 \times 3 + 4 \times 1$



17. **Extend Your Thinking** How can you explain why a number that is a product of 6 is also a product of 3?

16

a) Use round the numbers to estimate a sum or difference
& Use compatible numbers to estimate a sum or difference.

(9-12)

46

10

84

b) Explain different strategies to subtract 3-digit numbers.

(1-7)

77

9. The Comic Book Shack displays 318 comic books near the front door and keeps 502 comic books in the storage room. How can you use compatible numbers to find about how many comic books are in the store?

16

a) Use round the numbers to estimate a sum or difference
& Use compatible numbers to estimate a sum or difference.

(9-12)

46

10

84

b) Explain different strategies to subtract 3-digit numbers.

(1-7)

77

10. STEM Connection Saffron's bakery needs to decorate 355 cupcakes for an event. It has decorated 223 so far. How can she determine **about** how many more cupcakes they need to decorate?



11. Melinda estimates she traveled 830 miles last Monday and Tuesday. She traveled 412 miles on Tuesday. **About** how many miles could she have traveled on Monday?

12. Extend Your Thinking Jason has 744 flyers to deliver. If he has delivered 62 flyers at each of his last 2 stops, **about** how many flyers does he have left to deliver?

10. Sasha spent 284 minutes swimming the first week and 247 minutes the second week. What is an **estimate** of the total time Sasha spent swimming? Explain your reasoning.

16

a) Use round the numbers to estimate a sum or difference
& Use compatible numbers to estimate a sum or difference.

(9-12)

46

10

84

b) Explain different strategies to subtract 3-digit numbers.

(1-7)

77

How can you solve each equation?

1. $779 - 363 =$ _____

2. $562 - 295 =$ _____

3. $934 - 874 =$ _____

4. $134 - 68 =$ _____

5. At the airport baggage claim, there are 497 passengers and 632 pieces of luggage. How many more pieces of luggage are there than passengers?

6. Mark and Heidi are asked to solve $171 - 136$. Their work is shown. Which strategy would you choose to solve the problem?

Mark

$$170 - 135 = ?$$

Heidi

$$136 + ? = 171$$

7. Cadence earned 299 points in her online game. This was 102 points greater than her last score. Marco earned 414 points. How many more points did Marco earn?

17

Write and solve equations to represent a two-step problem. Use letters for unknowns.

(5-7)

81

19

85

Represent and solve the problem. Use letters for the unknowns.

5. Sam and Ben take turns driving. They traveled 417 miles in May and 454 miles in June. If Sam drove 502 of the miles, how many miles did Ben drive?

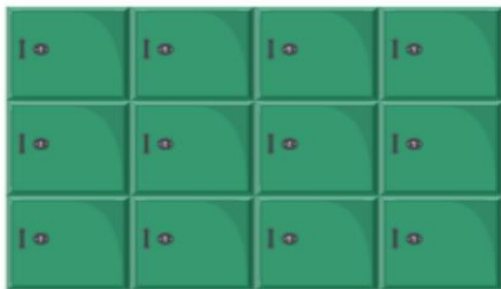
6. Jaya earned \$187 babysitting. She bought a wireless speaker for \$129 and a carrying case for \$26. How much money does she have left?

7. Judy has 323 beads. Sarah has 142 more beads than Judy. How many beads do they have together?

19. Enrique read 249 pages of his book in June and 227 pages of his book in July. The book has a total of 638 pages and Enrique wants to know how many pages he has left to read.

How many? Complete the equations.

1.



$$4 + 4 + 4 = \underline{\hspace{2cm}}$$

$$3 \times 4 = \underline{\hspace{2cm}}$$

2.



$$5 + 5 = \underline{\hspace{2cm}}$$

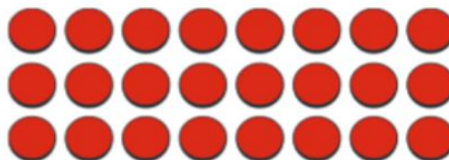
$$2 \times 5 = \underline{\hspace{2cm}}$$

Write one **addition equation**. Write one **multiplication equation**.

3.



4.



How can you draw an array to represent the equation?

5. $4 \times 4 = 16$

6. $3 \times 5 = 15$



7. Mauricio planted a garden with 5 rows and 7 plants in each row. How can you represent the total number of plants in his garden? Choose all that apply.

A. $7 + 7 + 7 + 7 + 7$

B. $5 + 5 + 5 + 5 + 5$

C. 5×7

D. 7×7

8. Hyun has a carton of eggs. There are 2 rows of eggs with 6 eggs in each row.

- a. Draw an array to represent the problem.
- b. Write an equation to represent the problem.
- c. How many eggs does Hyun have?
_____ eggs

9. **Error Analysis** Frankie says she can add $3 + 5$ to find the total number of ice cubes in the tray. Do you agree? Explain.



10. **Extend Your Thinking** Mrs. Ruiz is placing 18 chairs in equal rows. What multiplication equations can represent different arrays she can create with the chairs?

19	a) Describe and use patterns to multiply with 0 and 1 , Use known patterns to solve unknown facts.	Work Together	144
	b) Describe and use patterns to multiply by 10.	(1-4)	141

There are 3 blue eggs, 2 white eggs, 1 spotted egg, and 0 brown eggs in each nest. How many of each type of egg are in 4 nests?

How can you use what you know about multiplication with 10 to answer the question?

1. What do you know about products of multiplication facts with a factor of 10?

2. Paolo has a pile of dimes. Can the value of the dimes be 58¢? Explain.

3. **STEM Connection** Grace needs to write 10 lines of code for her character to complete one action. How many lines of code does she need to write for her character to complete 7 actions?



4. Janelle is arranging her rock collection. She arranges the rocks into rows as shown. She has fewer than 11 rows. How many rocks might Janelle have in all?



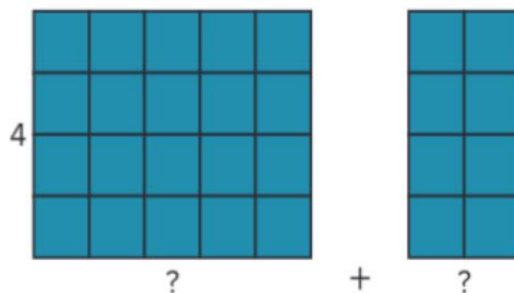
Solve.

1. How can you use the representation to decompose 7?

$$4 \times 7 = 4 \times \underline{\quad} + 4 \times \underline{\quad}$$

$$4 \times 7 = \underline{\quad} + \underline{\quad}$$

$$4 \times 7 = \underline{\quad}$$



2. How can you decompose 9×6 ?

$$9 \times 6 = \underline{\quad} \times \underline{\quad} + \underline{\quad} \times \underline{\quad}$$

$$9 \times 6 = \underline{\quad} + \underline{\quad}$$

$$9 \times 6 = \underline{\quad}$$

What number makes the equation true?

3. $? \times 7 = 3 \times 7 + 3 \times 7$

$$? = \underline{\quad}$$

4. $7 \times ? = 5 \times 8 + 2 \times 8$

$$? = \underline{\quad}$$

5. $1 \times 9 + 5 \times 9 = 9 \times ?$

$$\underline{\quad} = ?$$

6. $6 \times 2 + 6 \times 2 = 6 \times ?$

$$\underline{\quad} = ?$$

How can you decompose one of the factors to find the product?

7. $8 \times 6 = \underline{\quad} \times \underline{\quad} + \underline{\quad} \times \underline{\quad}$

$8 \times 6 = \underline{\quad} + \underline{\quad}$

$8 \times 6 = \underline{\quad}$

8. $9 \times 7 = \underline{\quad} \times \underline{\quad} + \underline{\quad} \times \underline{\quad}$

$9 \times 7 = \underline{\quad} + \underline{\quad}$

$9 \times 7 = \underline{\quad}$

9. $9 \times 8 = \underline{\quad} \times \underline{\quad} + \underline{\quad} \times \underline{\quad}$

$9 \times 8 = \underline{\quad} + \underline{\quad}$

$9 \times 8 = \underline{\quad}$

10. $8 \times 4 = \underline{\quad} \times \underline{\quad} + \underline{\quad} \times \underline{\quad}$

$8 \times 4 = \underline{\quad} + \underline{\quad}$

$8 \times 4 = \underline{\quad}$



اكتب خاصية الجمع للمعادلة $7 + (9 + 3) = \dots\dots\dots$ ؟

خاصية التبديل (D) **خاصية التجميع (C)** المحاييد في الجمع (B) المحاييد في الضرب (A)

اكتب خاصية الجمع للمعادلة $5 + 6 = 11$ $6 + 5 = 11$ ؟

خاصية التبديل (D) **خاصية التجميع (C)** المحاييد في الجمع (B) المحاييد في الضرب (A)

اكتب خاصية الجمع للمعادلة $(3 + 1) + 4 = 8$ $3 + (1 + 4) = 8$ ؟

خاصية التبديل (D) **خاصية التجميع (C)** المحاييد في الجمع (B) المحاييد في الضرب (A)

اكتب خاصية الجمع للمعادلة $2 + 0 = 2$ ؟

خاصية التبديل (D) **خاصية التجميع (C)** **المحاييد في الجمع (B)** المحاييد في الضرب (A)

أي جملة عددية هي مثال لخاصية التجميع ؟

A) $5 + 1 = 3 + 3$

D) $(8+2) + 5 = 8+(2+5)$

B) $583 + 0 = 583$

C) $3 + 5 = 5 + 3$

إلى أقرب مئة ما التقدير المنطقي لعدد الحضور الكلي في المعرض الريفي خلال اليومين ؟

المعرض الريفي	
الأحد 2,324	السبت 3,621

A) 6,300

B) 5,955

C) 5,000

D) 5,900

إن سعر ثلاث فطائر بيتزا كبيرة هو 36 ، و سعر فطيرتين من الحجم المتوسط هو 25 . إلى أقرب عشرة كم سعر فطائر البيتزا الخمس تقريباً ؟

A) 61

B) 90

C) 70

D) 150

حضر أربعمئة وواحد وتسعون شخصاً مسرحية المدرسة و حضر 422 شخصاً الحفلة التي أحيتها الفرقة الموسيقية . فكم عدد الأشخاص الذين حضروا الحفلاتين معاً ؟ قرب إلى أقرب مئة ؟

A) 500

B) 300

C) 400

D) 900

حاصل جمع ؟ $596 + 231 =$

A) 596

B) 478

C) 827

D) 747

حاصل جمع ؟ $43 + 217 =$

A) 516

B) 260

C) 259

D) 234

حاصل جمع ؟ $607 + 27 =$

A) 645

B) 624

C) 634

D) 643

حاصل جمع ؟ $173 + 591 =$

A) 396

B) 422

C) 664

D) 764

حاصل جمع ؟ $1,603 + 3,509 =$

A) 5,542

B) 5,112

C) 4,102

D) 5,212

حاصل جمع ؟ $3,075 + 5,640 =$

A) 5,916

B) 478

C) 8,715

D) 6,834

2,865

5,522 +

حاصل جمع

A) 8,387

B) 4,718

C) 7,387

D) 7,147

141

695 +

حاصل جمع

A) 296

B) 678

C) 847

D) 836

178

99 +

حاصل جمع

A) 772

B) 277

C) 377

D) 455

ا طرح ذهنيًا؟ $120 - 39 = \dots\dots\dots$

A) 8

B) 28

C) 18

D) 81

ا طرح ذهنيًا؟ $76 - 59 = \dots\dots\dots$

A) 56

B) 70

C) 17

D) 71

ا طرح ذهنيًا؟ $554 - 199 = \dots\dots\dots$

A) 355

B) 533

C) 353

D) 335

ا طرح ذهنيًا؟ $453 - 19 = \dots\dots\dots$

A) 542

B) 430

C) 343

D) 434

$$\begin{array}{r} 3,677 \\ - 2,232 \\ \hline \end{array}$$

أوجد حاصل الطرح ، قرب لأقرب مئة

A) 1,500

B) 1,400

C) 1,445

D) 5,400

$$\begin{array}{r} 573 \\ - 441 \\ \hline \end{array}$$

أوجد حاصل الطرح ، قرب لأقرب عشرة

A) 120

B) 132

C) 100

D) 130

$$\begin{array}{r} 1,885 \\ - 483 \\ \hline \end{array}$$

أوجد حاصل الطرح ، قرب لأقرب مئة

A) 1,202

B) 1,300

C) 1,500

D) 1,400

باعت مجموعة الكشافة التي يشترك أحمد في أنشطتها 2,357 صندوقاً من الكعك . و في البداية كان معهم 3,600 صندوق . بالتقريب إلى أقرب مئة ، كم صندوقاً لا يزال معهم ليبيعه ؟

- A) 1,300 B) 1,100 C) 1,200 D) 150

بيع في إستاذ العين 8,371 كيساً من الفول السوداني في نهاية الأسبوع الماضي . بيع في إستاذ الشارقة 4,309 كيساً من الفول السوداني نهاية الأسبوع الماضي . بالتقريب إلى أقرب عشرة ما الفرق بين مبيعات أكياس الفول السوداني ؟

- A) 4,060 B) 4,070 C) 1,800 D) 4,080

ما العدد الذي يعطي الفرق التقديري في المسألة ... $8,859 - 3,591$. مقرباً لأقرب مئة

- A) 3,550 B) 4,500 C) 3,500 D) 5,300



ماهي جملة الجمع التي تدل على الشكل المجاور

- A) $5 + 5 + 5 + 5 + 5 = 30$ D) $6 + 6 + 6 + 6 + 6 = 30$

- B) $5 + 5 + 5 + 5 + 5 = 25$ C) $5 + 6 = 11$



ماهي جملة الجمع التي تدل على الشكل المجاور

- A) $5 + 5 + 5 + 5 = 20$ D) $4 + 4 + 4 + 4 + 4 = 20$

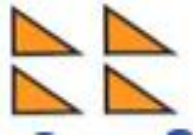
- B) $5 + 5 + 5 + 5 + 5 = 25$ C) $5 + 4 = 9$



ماهي جملة الجمع التي تدل على الشكل المجاور

- A) $3 + 3 + 3 + 3 + 3 = 15$ D) $6 + 6 + 6 = 18$

- B) $5 + 5 + 5 = 15$ C) $5 + 6 = 11$



#ماهي جملة الجمع التي تدل على الشكل المجاور

A) $2 + 2 = 4$

D) $4 + 4 = 8$

B) $5 + 4 = 9$

C) $2 + 4 = 6$



#ماهي جملة الجمع التي تدل على الشكل المجاور

A) $2 + 2 = 4$

D) $4 + 4 = 8$

B) $4 + 4 + 4 + 4 = 16$

C) $3 + 4 = 7$



#ماهي جملة الجمع التي تدل على الشكل المجاور

A) $2 + 2 = 4$

D) $7 + 7 = 14$

B) $3 + 3 + 3 + 3 = 12$

C) $7 + 7 + 7 = 21$



#ماهي جملة الجمع التي تدل على الشكل المجاور

A) $6 + 6 = 12$

D) $7 + 7 = 14$

B) $2 + 2 + 2 + 2 = 8$

C) $2 + 7 = 9$



#ماهي جملة الجمع التي تدل على الشكل المجاور

A) $2 + 2 = 4$

D) $3 + 3 = 6$

B) $2 + 2 + 2 = 6$

C) $3 + 4 = 7$



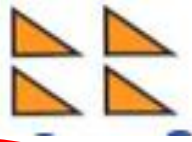
#ماهي جملة الضرب التي تدل على الشكل المجاور

A) $5 \times 6 = 30$

D) $6 \times 4 = 24$

B) $5 \times 5 = 25$

C) $5 + 6 = 11$



#ماهي جملة الضرب التي تدل على الشكل المجاور

A) $2 \times 2 = 4$

D) $4 \times 4 = 16$

B) $5 \times 4 = 20$

C) $2 \times 4 = 8$



#ماهي جملة الضرب التي تدل على الشكل المجاور

A) $2 \times 2 = 4$

D) $4 + 4 = 8$

B) $4 \times 4 = 16$

C) $3 + 4 = 7$



#ماهي جملة الضرب التي تدل على الشكل المجاور

A) $2 \times 7 = 14$

D) $7 + 7 = 14$

B) $7 \times 3 = 21$

C) $3 \times 7 = 21$



#ماهي جملة الضرب التي تدل على الشكل المجاور

A) $6 \times 6 = 12$

D) $2 \times 6 = 12$

B) $5 \times 2 = 12$

C) $2 \times 7 = 14$



#ماهي جملة الضرب التي تدل على الشكل المجاور

A) $2 \times 3 = 6$

D) $3 \times 3 = 6$

B) $2 \times 2 = 4$

C) $3 \times 2 = 6$



#ماهي جملة الضرب التي تدل على الشكل المجاور

A) $5 \times 3 = 15$

D) $4 \times 5 = 20$

B) $5 + 4 = 9$

C) $5 \times 4 = 20$

استخدم خاصية التبديل لإيجاد المجهول $3 \times 9 = \dots \times 3$

A) 6

B) 1

C) 3

D) 9

استخدم خاصية التبديل لإيجاد المجهول $3 \times 5 = \dots \times 3$

A) 6

B) 5

C) 3

D) 9

استخدم خاصية التبديل لإيجاد المجهول $5 \times 2 = \dots \times 2$

A) 5

B) 2

C) 3

D) 9

أوجد قيمة المجهول $24 \div \dots = 3$

A) 6

B) 7

C) 3

D) 8

أوجد قيمة المجهول $30 \div 6 = \dots$

A) 5

B) 7

C) 6

D) 4

أوجد قيمة المجهول $42 \div \dots = 6$

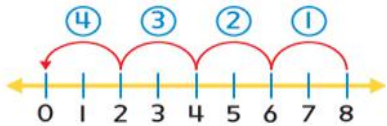
A) 6

B) 7

C) 3

D) 8

استخدم خط الأعداد لإيجاد ناتج القسمة $8 \div 2 = \dots$



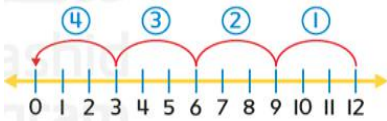
A) 5

B) 4

C) 3

D) 8

استخدم خط الأعداد لإيجاد ناتج القسمة $12 \div 3 = \dots$



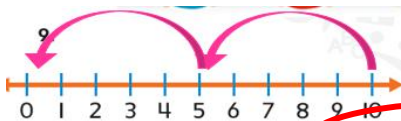
A) 4

B) 2

C) 3

D) 6

استخدم خط الأعداد لإيجاد ناتج القسمة $10 \div 5 = \dots$



A) 4

B) 2

C) 3

D) 6

استخدم الطرح المتكرر لإيجاد ناتج القسمة $9 \div 3 = \dots$

$$\begin{array}{r} 9 \\ -3 \\ \hline 6 \end{array} \quad \begin{array}{r} 6 \\ -3 \\ \hline 3 \end{array} \quad \begin{array}{r} 3 \\ -3 \\ \hline 0 \end{array}$$

A) 4

B) 2

C) 3

D) 6

استخدم الطرح المتكرر لإيجاد ناتج القسمة $8 \div 4 = \dots$

$$\begin{array}{r} 8 \\ -4 \\ \hline 4 \end{array} \quad \begin{array}{r} 4 \\ -4 \\ \hline 0 \end{array}$$

A) 4

B) 2

C) 3

D) 6

أَعَدَّ سَالِمٌ 6 أَوْعِيَّةٍ مِنَ الشُّوفَانِ لِنَفْسِهِ وَأَخَوَيْهِ.
حَصَلَ كُلٌّ مِنْهُمْ عَلَى عَدَدٍ مُتَسَاوٍ مِنَ أَوْعِيَّةِ الشُّوفَانِ.
أَيُّ جُمْلَةٍ عَدَدِيَّةٍ تُمَثِّلُ هَذِهِ الْمَسْأَلَةَ؟

A) $6 - 2 = 4$

D) $6 - 3 = 3$

B) $6 \div 3 = 2$

C) $2 \times 6 = 12$

ماهي مجموعة الحقائق الصحيحة للأعداد التالية 2 ، 7 ، 14

A) $3 \times 8 = 24$

B) $3 \times 1 = 4$

C) $7 \times 4 = 28$

D) $7 \times 2 = 14$

$8 \times 3 = 24$

$1 \times 3 = 4$

$28 \div 4 = 7$

$2 \times 7 = 14$

$24 \div 8 = 3$

$3 \div 1 = 3$

$14 \div 2 = 7$

$24 \div 3 = 8$

$1 \div 3 = 5$

$14 \div 7 = 2$

ماهي مجموعة الحقائق الصحيحة للأعداد التالية 2 ، 3 ، 6

A) $3 \times 8 = 24$

B) $3 \times 2 = 6$

C) $7 \times 4 = 28$

D) $7 \times 2 = 14$

$8 \times 3 = 24$

$2 \times 3 = 6$

$28 \div 4 = 7$

$2 \times 7 = 14$

$24 \div 8 = 3$

$6 \div 2 = 3$

$14 \div 2 = 7$

$24 \div 3 = 8$

$6 \div 3 = 2$

$14 \div 7 = 2$

$3 \times 3 = 9$
 $9 \div 3 = 3$

ماهي الأعداد الصحيحة لمجموعة الحقائق التالية

A) 40 - 8 - 5

B) 5 - 3 - 15

C) 3 - 9

D) 30 - 5 - 6

ماهي الأعداد الصحيحة لمجموعة الحقائق التالية


$$7 \times 4 = 28$$

$$7 \div 4 = 28$$

$$28 \div 4 = 7$$

$$28 \div 7 = 4$$

- A) 28 - 7 - 4 B) 5 - 3 - 15 C) 3 - 9 D) 30 - 5 - 6

الْمَمارَسَاتُ
الرِّياضيَّةُ  **إِسْتِخْدَامُ أَدَوَاتِ الرِّياضيَّاتِ رَتَّبَتْ أَسماءَ 6 ثَمَرَاتِ طَماطِمَ، وَ 4 ثَمَرَاتِ فُولٍ، وَ 2 مِنْ ثَمَرَاتِ العُلُقُلِ فِي صُفوفٍ. فَإِذا كانَ كُلُّ صَفٍّ يَحْتَوِي على 6 ثَمَرَاتٍ، فَكَمْ عَدَدُ الصُّفوفِ الَّتِي شَكَّلَتْها أَسماءُ؟**

- A) 4 B) 2 C) 3 D) 6

يُوجدُ في السَّيرِكِ 18 مُهَرَّجًا. وَيَقودُ المُهَرَّجونَ عَرَباتٍ صَغيرةً بِداخِلِ السَّيرِكِ. إِذا كانَ يَوجدُ 3 مُهَرَّجِينَ في كُلِّ عَرَبَةٍ، فَكَمْ عَدَدُ العَرَباتِ المُوجودَةِ؟

- A) 4 B) 2 C) 3 D) 6

أَحَذَ الأُسْتادُ بَدْرَ وَزَوجَتَهُ أَطْفالَهُما نُورَةَ وَمُحَمَّدًا وَنَجاةً إلى حَديقَةِ الحَيواناتِ. وَدَفَعُوا 50 AED إجمالاً. وَأَنْفَقَتِ العائِلَةُ 15 AED على الوَجَباتِ الخَفيفةِ. فَكَمْ تَبَلَّغَ تَكْلِفَةُ التَّذكِرةِ الواحِدَةِ؟

- A) 3 B) 5 C) 7 D) 6

. مَعَ الأُسْتادَةِ مَيسونَ 25 قِطْعَةً نَقْديَّةً نادرَةً. وَقَسَمَتْها بِالسَّواوي على أَحفادِها الخَمسةِ. فَكَمْ عَدَدُ القِطْعِ النَقْديَّةِ الَّتِي حَصَلَ عَلَيْها كُلُّ حَفيدٍ؟

- A) 3 B) 5 C) 7 D) 6

. أَنشَدَ عَبْدُ الرَّحْمَنِ 9 أَنَاشِيدَ فِي حَفْلِ مَدْرَسِيٍّ. وَكَانَ لَدَيْهِ 3 أُسَابِيعَ لِلتَّمَرُّنِ. فَكَمْ عَدَدُ الْأَنَاشِيدِ الَّتِي تَمَرَّنَ عَلَيْهَا فِي كُلِّ أُسْبُوعٍ إِذَا كَانَ قَدْ تَمَرَّنَ عَلَى عَدَدٍ مُتَسَاوٍ مِنَ الْأَنَاشِيدِ كُلِّ أُسْبُوعٍ؟

A) 3

B) 5

C) 7

D) 6

كم عدد الأذان على رؤوس 4 قطط ، ماهي جملة الضرب

A) $2 + 2 = 4$

D) $6 - 3 = 3$

B) $4 \times 2 = 8$

C) $1 \times 4 = 4$

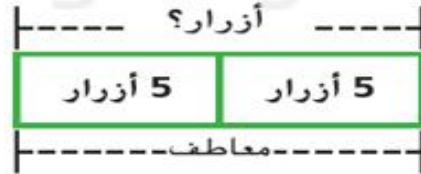
يوجد إجمالي 16 ساقاً متصلة بعنكبوتين . كم عدد سيقان كل منهما ؟

A) $2 \times 8 = 16$

D) $16 - 2 = 14$

B) $4 \times 2 = 8$

C) $1 \times 4 = 4$



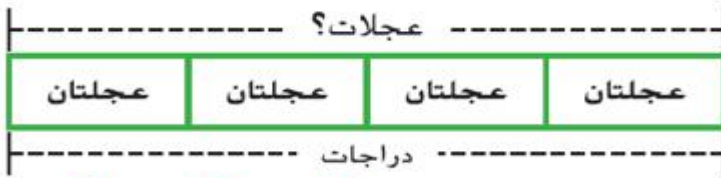
#، ماهي جملة الضرب

A) $2 \times 2 = 4$

D) $5 + 5 = 10$

B) $5 \times 2 = 10$

C) $1 \times 4 = 4$



#، ماهي جملة الضرب

A) $2 \times 3 = 6$

D) $5 + 5 = 10$

B) $5 \times 2 = 10$

C) $2 \times 4 = 8$

أوجد قيمة المجهول $10 \times 2 = \dots\dots\dots$

- A) 20 **B) 10** C) 30 D) 6

أوجد قيمة المجهول $10 \times 6 = \dots\dots\dots$

- A) 20 B) 10 C) 30 **D) 60**

أوجد قيمة المجهول $10 \times 5 = \dots\dots\dots$

- A) 20 **B) 50** C) 30 D) 6

أوجد قيمة المجهول $10 \times 3 = \dots\dots\dots$

- A) 20 B) 10 **C) 30** D) 6

أوجد قيمة المجهول $10 \times 9 = \dots\dots\dots$

- A) 20 B) 10 C) 30 **D) 90**

أوجد قيمة المجهول $10 \times 1 = \dots\dots\dots$

- A) 20 **B) 10** C) 30 D) 6

أوجد قيمة المجهول $10 \times 8 = \dots\dots\dots$

- A) 40 **B) 80** C) 30 D) 6

أوجد قيمة المجهول $4 \div 2 = \dots\dots\dots$

- A) 1 B) 8 **C) 2** D) 3

أوجد قيمة المجهول $16 \div 2 = \dots\dots\dots$

- A) 1 **B) 8** C) 2 D) 3

أوجد قيمة المجهول $18 \div 2 = \dots\dots\dots$

A) 1

B) 8

C) 2

D) 9

أوجد قيمة المجهول $2 \overline{) 2}$

A) 1

B) 8

C) 2

D) 3

أوجد قيمة المجهول $2 \overline{) 20}$

A) 10

B) 8

C) 2

D) 3

أوجد قيمة المجهول $2 \overline{) 6}$

A) 1

B) 8

C) 2

D) 3

لدى رنا قطعة من شريط يبلغ طولها 30 cm. قَسَمَت الشَّريطَ إلى 5 قِطَعٍ مُتَسَاوِيَةٍ. ما طول كُلِّ قِطْعَةٍ بِالسَّنْتِمِتر؟

A) $30 \div 5 = 6$

D) $30 \div 6 = 5$

B) $4 \div 2 = 2$

C) $1 \times 4 = 4$

جَمَعَ عَبْدُ الْكَرِيمِ 45 عَلَماً. عَرَضَهَا فِي غُرْفَتِهِ فِي 5 صُفُوفٍ مُتَسَاوِيَةٍ. كَمْ عَدَدُ الْأَعْلَامِ لَدَى عَبْدِ الْكَرِيمِ فِي كُلِّ صَفٍّ؟

A) $30 \div 5 = 6$

D) $45 \div 5 = 9$

B) $45 \div 9 = 5$

C) $5 \times 4 = 20$

تَبْلُغُ تَكْلِيفَةُ الْغَدَاءِ 5 AED. لَدَى فَارِسٍ 35 AED. كَمْ عَدَدَ الْأَيَّامِ
الَّتِي يَسْتَطِيعُ فَارِسٌ أَنْ يَشْتَرِيَ فِيهَا الْغَدَاءَ؟

A) $30 \div 5 = 6$

D) $30 \div 6 = 5$

B) $35 \div 5 = 7$

C) $5 \times 7 = 35$

حَصَلَ عَامِرٌ عَلَى الدَّرَجَةِ الْكَامِلَةِ 40 فِي اخْتِبَارِ الرِّيَاضِيَّاتِ. كَانَ
الامْتِحَانُ يَتَكَوَّنُ مِنْ 5 أَسْئَلَةٍ وَكَانَتْ الْأَسْئَلَةُ مُتَسَاوِيَةً فِي
عَدَدِ الدَّرَجَاتِ. كَمْ عَدَدُ الدَّرَجَاتِ الَّتِي حَصَلَ عَلَيْهَا عَامِرٌ لِكُلِّ
سُؤَالٍ؟

A) $30 \div 5 = 6$

D) $35 \div 6 = 7$

B) $40 \div 5 = 8$

C) $35 \div 5 = 7$

الْمُمَارَسَاتُ
الرِّيَاضِيَّةُ
إِيجَادُ الْبُنْيَةِ لَدَى لَمْيَاءَ فَمَصَانِ أَلْوَانِهَا أَخْضَرُ وَأَصْفَرُ وَأَرْجَوَانِي وَتَرِيدُ تَوْفِيقُهَا مَعَ
سَرَاوِيلِ أَلْوَانِهَا أَبْيَضُ أَوْ أَسْوَدُ أَوْ أَحْمَرُ. كَمْ عَدَدُ تَشْكِيلَاتِ الثِّيَابِ الْمُخْتَلِفَةِ الَّتِي يُكُنَّ لَهَا تَكْوِينُهَا مِنْ
قَمِيصٍ وَسَرَاوِيلٍ؟

A) $3 \times 2 = 6$

D) $3 \times 3 = 9$

B) $3 \times 5 = 15$

C) $3 + 3 = 6$

يُكْسَبُ أَسَافَةُ 4,000 AED كُلَّ أُسْبُوعٍ نَظِيرَ الْغِيَامِ بِغَمَلِهِ. مَا الْمَالُ الَّذِي سَيَكْسِبُهُ أَسَافَةُ جَلالَ
شَهْرَيْنِ إِذَا كَانَ هُنَاكَ 4 أُسْبُوعٍ فِي الشَّهْرِ؟

A) $4 \times 4 = 16$

D) $3 \times 3 = 9$

B) $4000 \times 8 = 32000$

C) $8 + 8 = 16$

لَدَى جَمَالٍ مُكْتَبِ أَعْدَادٍ مُزَقَّمٍ مِنْ 1 إِلَى 6 وَقِطْعَةُ نُقُودٍ مَعْدِنِيَّةٍ.
بِكُمْ طَرِيقَةٍ مُخْتَلِفَةٍ يُكُنَّ أَنْ يَسْتَعْمِلَ مُكْتَبُ الْأَعْدَادِ وَقِطْعَةُ النُّقُودِ الْمَعْدِنِيَّةِ بِدُخْرَجَةٍ وَاجِدَةٍ لِلْمُكْتَبِ
وَزَمَنَةٍ وَاجِدَةٍ لِقِطْعَةِ النُّقُودِ الْمَعْدِنِيَّةِ.

A) $6 \times 2 = 12$

D) $3 \times 4 = 12$

B) $6 \times 3 = 18$

C) $6 + 2 = 8$

EoT-1 EXAM	MATHEMATICS	GRADE -3
100 MARKS	MOCK EXAM-1	2 HOURS

PART-1	15 X 4 = 60
Circle the letter corresponding to the correct answer.	

Question		1			
Which of the following is the standard form of one thousand ,sixty five?					
A	1,560	B	1,065	C	1,650

Question			2		
Round 5,673 to the nearest 100.					
A	5,700	B	5,600	C	6,000

Question			3		
Salama spent 172 days in school last year. If she attends school the same number of days next year, how many days will she spend in school in two years?					
A	172	B	300	C	344

Question			4		
Choose the equation that is correct.					
A	even + odd = even	B	even + even = odd	C	odd + odd = even

Question			5		
Abdulla is trying to solve $327 + 176$. Which equation shows how he could adjust the addends to find the sum?					
A	$323 + 180$	B	$320 + 170$	C	$323 + 160$


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Question			6		
Ghalya uses partial sums to add. Find which two numbers she used in the original equation?					
<div><div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><d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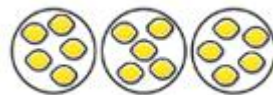
Question		7	
Khalifa uses the bar diagram to find the missing number. Which is the correct number?			
<div><div>823</div><div>549</div><div>-----?</div></div>			
A	276	B	1,372
C	274		


Question			8		
Solve the equation. $705 - 239 = \underline{\hspace{2cm}}$.					
A	466	B	434	C	534

Question		9	
Hessa identifies the correct equation that represents the equal groups. Which is the correct one?			
			
A	$4 \times 3 = 12$	B	$4 \times 4 = 16$
C	$4 \times 2 = 8$		

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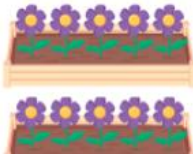

مهمة المدرسة: تطوير نظام تعليمي مبتكر يعتمد على مستويات التعلم الذكية المعتمدة على دورة التعلم الخماسية 5Es- المشاركة، الإثراء، التحسين، التوسيع والتمكين، الذي يركز على المعرفة والمجتمع التنافسي العالمي، والذي يشمل مهارات التعلم في القرن الحادي والعشرين لجميع الفئات العمرية لتلبية الحاجة إلى السعي لتحقيق التميز على مستوى العالم من خلال ضمان جودة مخرجات مؤسسة الإمارات للتعليم المدرسي وتقديم أفضل الخدمات لجميع أصحاب المصلحة.

Question			10		
Which division equation describes the representation?					
					
A	$3 \times 5 = 15$	B	$15 \div 3 = 5$	C	$5 \div 15 = 3$

Question			11		
Which is equal to 6×5 ? Use the representation to find the answer.					
					
A	$3 \times 5 + 3 \times 5$	B	$5 \times 4 + 1 \times 1$	C	$3 \times 3 + 4 \times 1$

Question			12		
Complete the equation. $7 \times 10 =$ _____					
A	17	B	107	C	70

Question			13		
Choose the equation that is true.					
A	$5 \times 8 = 4 \times 10$	B	$3 \times 5 = 3 \times 10$	C	$10 + 10 = 10 \times 10$

Question			14		
What drawings show 5 groups of 2?					
A		B		C	

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المدرسة: تطوير نظام تعليمي مبتكر يعتمد على مستويات التعلم الذكية المعتمدة على دورة التعلم الخماسية 5Es- المشاركة، الإثراء، التحسين، التوسيع والتمكين، الذي يركز على المعرفة والمجتمع التنافسي العالمي، والذي يشمل مهارات التعلم في القرن الحادي والعشرين لجميع الفئات العمرية لتلبية الحاجة إلى السعي لتحقيق التميز على مستوى العالم من خلال ضمان جودة مخرجات مؤسسة الإمارات للتعليم المدرسي وتقديم أفضل الخدمات لجميع أصحاب المصلحة.

Question			15		
Find the unknown : $7 \times ? = 21$					
A	14	B	0	C	3

PART – B Free Response Questions	40 MARKS
Read the questions carefully. Show your work.	

Question	16	6 marks
<p>Haya had 355 questions to solve for her math exam. She solves 223 questions so far. About how many questions are left for her to solve?</p>		

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Question

17

6 marks

Salem is arranging 21 chairs in equal rows. Draw representation. Also write the multiplication and division equations.

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Question

18

8 marks

Sara arranges 3 Math books, 2 Science books , 1 English book and 0 ICT book in one box.
How many of each type of books are there in 5 boxes.

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Question	18	8 marks
<p>How can you decompose 9×6?</p> $9 \times 6 = \square \times \square + \square \times \square$ $9 \times 6 = \square + \square$ $9 \times 6 = \square$		

Question	19	4 marks
<p>What number makes the equation true?</p> $? \times 7 = 3 \times 7 + 3 \times 7$ $? = \square$		

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Question	20	8 marks
<p>Mauricio planted a garden with 5 rows and 7 plants in each row. How can you represent the total number of plants in his garden?</p> <p>Write the multiplication, addition, and division equations.</p>		

END OF THE MOCK EXAM-1

ALL THE VERY BEST FOR YOUR EoT-1 EXAM!!!!!!

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%جميع ما ننشر على موقعنا وعلى صفحتنا على مواقع السوشيال ميديا للمنهاج الاماراتي مجاني ١٠٠
نجمع لكم الملفات من مصادرها الرسمية ونضعها لكم في مكان واحد لتسهيل الحصول عليها بدون مشاكل
مع العلم يوجد لدينا نسخ للمنهاج من تاريخ التحديث للمنهاج من ٢٠١٥ - ولغاية يومنا هذا للعام ١٤٤٦-٢٠٢٤

الصف الاول المنهاج الاماراتي محدث ١٤٤٦-٢٠٢٤

<https://www.jnob-jo.com/xf/forums/1157>

الصف الثاني المنهاج الاماراتي محدث ١٤٤٦-٢٠٢٤

<https://www.jnob-jo.com/xf/forums/955>

الصف الثالث المنهاج الاماراتي محدث ١٤٤٦-٢٠٢٤

<https://www.jnob-jo.com/xf/forums/1008>

الصف الرابع المنهاج الاماراتي محدث ١٤٤٦-٢٠٢٤

<https://www.jnob-jo.com/xf/forums/1207>

الصف الخامس المنهاج الاماراتي محدث ١٤٤٦-٢٠٢٤

<https://www.jnob-jo.com/xf/forums/1352>

الصف السادس المنهاج الاماراتي محدث ١٤٤٦-٢٠٢٤

<https://www.jnob-jo.com/xf/forums/1306>

الصف السابع المنهاج الاماراتي محدث ١٤٤٦-٢٠٢٤

<https://www.jnob-jo.com/xf/forums/1111>

الصف الثامن المنهاج الاماراتي محدث ١٤٤٦-٢٠٢٤

<https://www.jnob-jo.com/xf/forums/1398>

الصف التاسع المنهاج الاماراتي محدث ١٤٤٦-٢٠٢٤

<https://www.jnob-jo.com/xf/forums/1058>

الصف العاشر المنهاج الاماراتي محدث ١٤٤٦-٢٠٢٤

<https://www.jnob-jo.com/xf/forums/1444>

الصف الحادي عشر المنهاج الاماراتي محدث ١٤٤٦-٢٠٢٤

<https://www.jnob-jo.com/xf/forums/1257>

الصف الثاني عشر المنهاج الاماراتي محدث ١٤٤٦-٢٠٢٤

<https://www.jnob-jo.com/xf/forums/1496>

اخبار وزارة التربية والتعليم في الامارات

<https://www.jnob-jo.com/xf/forums/1495>

قسم خاص للمعلم والمعلمة في دولة الامارات العربية

<https://www.jnob-jo.com/xf/forums/1494>

طلبات الوظائف الامارات العربية المتحدة

<https://www.jnob-jo.com/xf/forums/2018>

مجموعات الفيس بوك لمنهاج دولة الامارات العربية المنهاج الحكومي والخاص

<https://www.jnob-jo.com/xf/threads/84664>

Name: _____

Grade 3 _____

Mock Exam: Sample questions

Marks: 100/ _____

Question 1

4

How can you represent the number shown in standard form and expanded form?



A 3,551
 $3,000 + 500 + 50 + 1$

C 1,553
 $1,000 + 500 + 50 + 3$

B 1,535
 $1,000 + 500 + 30 + 5$

D 5,153

Question 2

4

Use a number line to round. Show all your work.
Round 436 to the nearest 100.



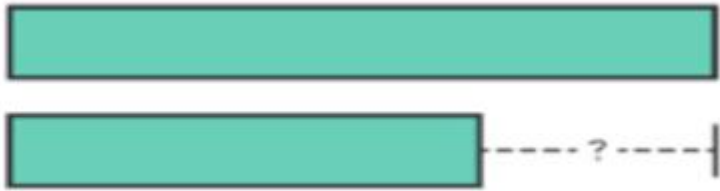
A 430

C 500

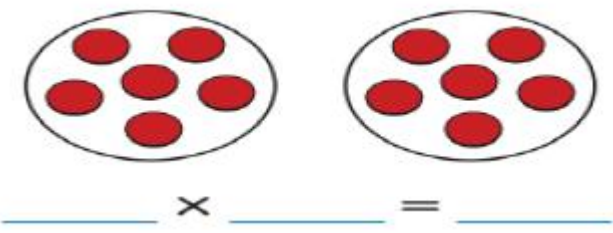
B 400

D 435

Question 3				4
Partial sums. How can you decompose each addend? What is the sum? $327 + 176 = \underline{\hspace{2cm}}$ H: T: O:				
A	499	C	503	
B	500	D	530	


Question 4				4
On Monday, 549 people visited the aquarium. On Friday, 823 people visited the aquarium. How many more people visited the aquarium on Friday? How can you fill the bar diagram to represent the problem? 				
How can you write an equation with an unknown to represent the bar diagram?				
A	$549 - ? = 823$	C	$549 - 823 = ?$	
B	$823 + ? = 549$	D	$823 - 549 = ?$	

Question 5				4
How can you solve the equation?				
$437 + 269 = \underline{\hspace{2cm}}$				
A	760	C	670	
B	706	D	766	

Question 6				4
How can you represent these groups of counters?				
				
A	$7 \times 2 = 14$	C	$6 \times 3 = 12$	
B	$2 \times 7 = 14$	D	$2 \times 6 = 12$	

Question 7				4
What makes the equation true? Fill in the blank.				
$9 \times 0 = \underline{\hspace{1cm}} \times 9$				
A	9	C	90	
B	0	D	10	

Question 8				4
How can you draw a representation and answer the question?				
6 dogs 2 dogs at each water bowl. How many bowls?				
A	6 water bowls	C	3 water bowls	
B	2 water bowls	D	12 water bowls	


Question 9				4
Use the representation. What is the unknown?				
$\underline{\hspace{1cm}} \times 7 = 21$ 				
A	3	C	12	
B	7	D	10	

Question 10				4
How can you complete the equation?				
<u> </u> x 2 = 6				
A	3	C	12	
B	8	D	4	

Question 11				4
Which equations are TRUE?				
A	$5 \times 3 = 3 + 3 + 3$	C	$3 \times 5 = 5 + 5 + 5$	
B	$5 \times 2 = 5 + 2$	D	$5 \times 4 = 4 + 4 + 4 + 4 + 4$	

Question 12				4
There are 3 logs in the pond. There are 10 frogs on each log. How many frogs are there?				
A	$3 \div 10 = 30$	C	$3 \times 10 = 30$	
B	$3 + 3 + 3 = 9$	D	$3 \times 3 = 9$	


Question 13				4
How can you write a <u>multiplication and division equation</u> for the problem? Write a ? for the unknown.				
<div style="border: 1px solid black; padding: 10px;"> June earns \$25 for working five hours. If she earns the same amount each hour, how much does she get paid per hour? </div>				
A	$5 \times 25 = ?$	C	$5 \times ? = 25$	
B	$25 \div 5 = ?$	D	$5 \div 25 = ?$	


Question 14				4
Which equation represents how to find the product for this array? 				
A	$3 \times 9 = 3 \times 5 + 3 \times 4$	C	$3 \times 9 = 3 \times 3 + 5 \times 6$	
B	$3 \times 9 = 3 \times 3 + 3 \times 3$	D	$3 \times 9 = 3 \times 5 + 5 \times 5$	

Question 15				4
How can you decompose to solve the problem? Show your thinking.				
<div style="border: 1px solid black; padding: 10px;"> Paul packs 8 boxes of snack bags in each box. There are 6 snack bags in each box. How many snack bags does Paul pack in all? </div>				
A	$8 \times 6 = ?$ $= 8 \times 3 + 8 \times 3$ $= 24 + 24$ $= 48$	B	$8 \times 6 = ?$ $= 8 \times 5 + 8 \times 5$ $= 40 + 40$ $= 80$	

Question 16				8
<p>Solve the problem by using estimation.</p> <p>The comic book shack displays 318 comic books near the front door and keeps 502 comic books in the storage room. How can you use compatible numbers to find about how many comic books are in the store?</p> <div style="border: 1px solid black; height: 120px; width: 650px; margin: 10px auto;"></div>				
A	280	C	820	
B	812	D	282	

Question 17				
<p>Enrique read 249 pages of his book in June and 227 pages of his book in July. The book has a total of 638 pages and Enrique wants to know how many pages he has left to read.</p> <p>Which set of equations could be used to solve the problem?</p>				
A	$227 + 249 = 476$ $638 - 227 = 411$	C	$638 - 249 = 389$ $389 + 227 = 616$	
B	$249 + 277 = 476$ $638 - 476 = 162$	D	$638 - 227 = 411$ $411 + 249 = 660$	

Question 18				8
Write one addition equation . Write one multiplication equation .				
				
<hr/> <hr/>				
A	$3 \times 8 = 24$		C	$3 \times 8 = 42$
B	$8 + 8 + 8 = 24$		D	$8 + 8 + 8 = 16$

Question 19				8
Janelle is arranging her rock collection. She arrange the rocks into rows as shown She has fewer than 11 rows . How many rocks might Janelle have in all?				
				
A	$12 \times 10 = 120$	C	$11 \times 10 = 110$	
B	$13 \times 10 = 130$	D	$10 \times 10 = 100$	

Question 20		8								
<div><div>$9 \times 7 = \underline{\quad} \times \underline{\quad} + \underline{\quad} \times \underline{\quad}$</div><div>$9 \times 7 = \underline{\quad} + \underline{\quad}$</div><div>$9 \times 7 = \underline{\quad}$</div></div> <div>Solve:</div>		<table><tr><td>A</td><td>48</td></tr><tr><td>B</td><td>63</td></tr><tr><td>C</td><td>24</td></tr><tr><td>D</td><td>16</td></tr></table>	A	48	B	63	C	24	D	16
A	48									
B	63									
C	24									
D	16									

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Grade 3 MATH REVIEW

EXAM COVERAGE

CUMENT

Question	Learning Outcomes/Performance Objectives	Reference(s) to the Standard level (English Standard)		
		Example/number	Page	
الأسئلة	المخرجات التعليمية/الأداءية	أمثلة/الرقم	الصفحة	
M4: Understand Int. 1	1. Represent 4-digit numbers in expanded form, word form, and standard form using an understanding of place value.	(1-75) 8	55 56	
	2. Round numbers to the nearest 10 or nearest 100.	(1-45) (9-11)	56 60	
	3. Use partial sums to add 3-digit numbers.	(1-71) (5-6)	57 58	
	4. Use related addition equations to find the difference.	(1-43) (5-6)	59 59	
	5. Explain different strategies to add 3-digit numbers.	(1-41) (5-6)	59 59	
	6. Explain the meaning of multiplication as equal groups.	(1-45) 7	60 122	
	7. Demonstrate an understanding of the Commutative Property of Multiplication.	(1-41) 8	108 122	
	8. Represent division with equal grouping.	(1-45) (15-16)	122 128	
	9. Use representations to determine the unknown in a multiplication or division equation.	(1-45) 8	128 122	
	10. Describe and use patterns to multiply by 2.	(9-10) 5 5	130 137 138	
	11. Describe and use patterns to multiply by 5.	(12-13) 8	138 138	
	12. Describe and use patterns to multiply by 10.	(9-10) (12-14)	140 142	
	13. Represent a problem with equal groups and an equation. Use equal groups to solve an equation.	(1-41) (9-11)	149 150	
	14. Apply the properties of multiplication to recall facts.	(1-11) (15-17)	149 149	
	15. Apply the properties of multiplication to recall facts.	(1-7) (9-17)	177 178	
	M5: Understand Int. 2	16. A) Use round the numbers to estimate a sum or difference. Use compatible numbers to estimate a sum or difference. B) Explain different strategies to solve word 3-digit numbers.	(9-11) (1-71)	60 60 57
		17. Write and solve equations to represent a two-step problem. Use tables for unknowns.	(1-7) 18	61 61
		18. a) Write 1 Use arrays to represent multiplication.	(1-4) (7-10)	67 68
19. A) Describe and use patterns to multiply with Grade 2 . Use known patterns to solve unknown facts. B) Describe and use patterns to multiply by 10.		Work Together (1-4)	148 140	
20. Demonstrate an understanding of the Distributive Property.		(1-4) (7-10)	149 148	
21. Two lines might appear to be different order in the actual order, or on the same order.				
22. As it appears in the textbooks, G3, and (Book_3)				
23. As it appears in the textbooks, G3, and (Book_3)				



Mathematics Exam

Units 2-3



Mathematics Exam

MCQ

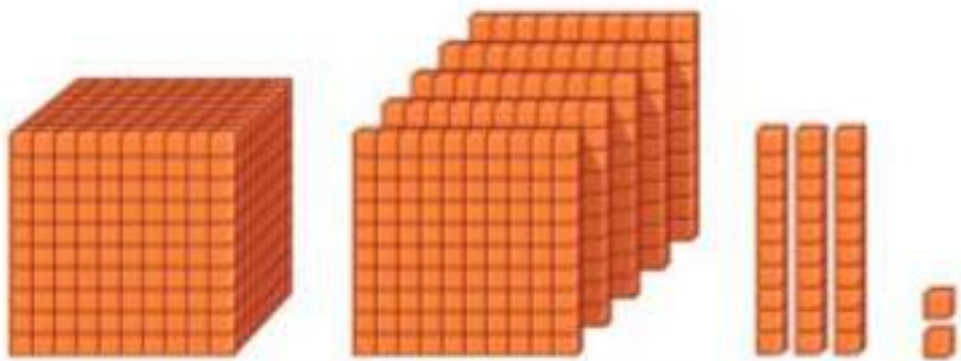


Page 35



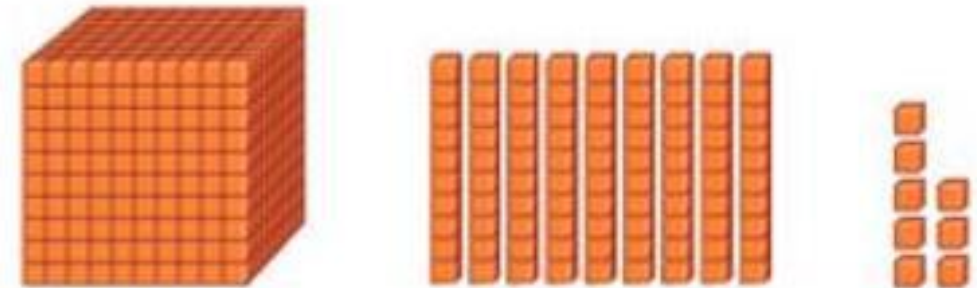
What number is represented by the base-ten blocks?

1.



thousands	hundreds	tens	ones
1	5	3	2

2.



thousands	hundreds	tens	ones
1	0	9	8

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How can you represent the number shown in standard form and expanded form?

8.



1,553

$1,000 + 500 + 50 + 3$

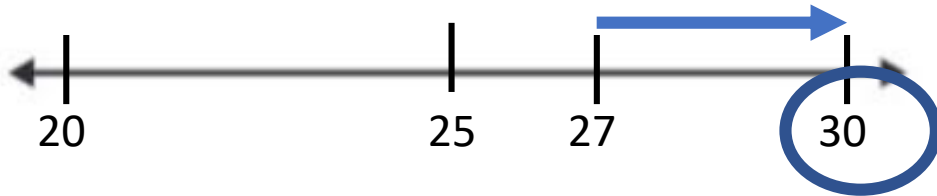
Page 39



Use a number line to round.

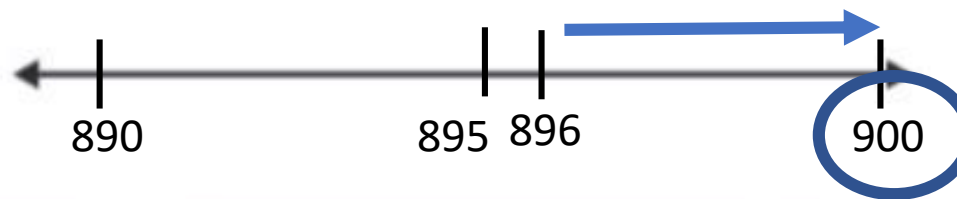
1. Round 27 to the nearest 10.

30



2. Round 896 to the nearest 10.

900



Use place value to round.

3. Round 48 to the nearest 10.

50

4. Round 273 to the nearest 10.

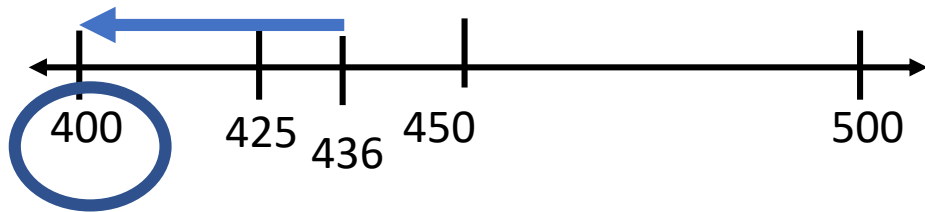
270

Page 39



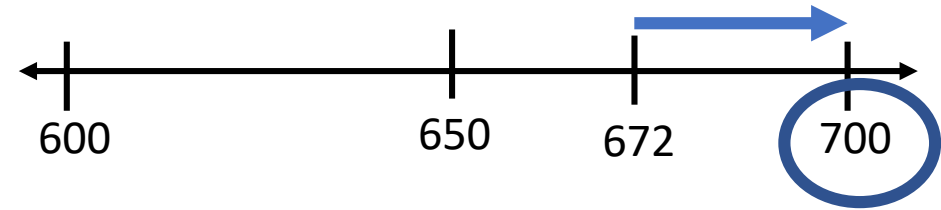
Use a number line to round. Show your work.

5. Round 436 to the nearest 100.



436 rounded to the nearest 100
is 400.

6. Round 672 to the nearest 100.



672 rounded to the nearest 100
is 700.

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7. How can the number 78 round to 80 and 100? Explain.

78 can round to the nearest 10 which is 80.

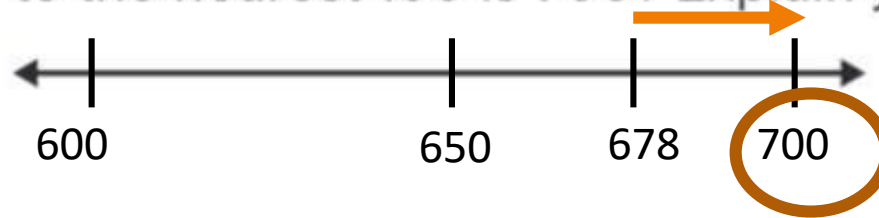
78 can round to the nearest 100 which is 100.

8. A number rounded to the nearest 10 is 240. What number could it be? **241, 242, 243, 244 235, 236, 237, 238, 239**

Page 40



9. How can you use the number line to show why 678 rounded to the nearest 100 is 700? Explain your reasoning.



678 is bigger than 650. I round up to 700.

10. **Error Analysis** Tess says that 315 rounded to the nearest 10 is 310. Do you agree? Explain your reasoning.

**No, the rule is 5 and bigger round up.
Tess rounded down.**

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11. Jack is making a fruit salad. He puts in 9 strawberries, 25 orange wedges, 19 kiwi slices, 27 blueberries, 16 grapes, and 21 raspberries. Which fruits does he use about 20 of?

Kiwi slices, grapes and raspberries.

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How can you decompose each addend? What is the sum?

1. $247 + 564 = \underline{811}$

2. 815

$+ 148$

900 Add hundreds

50 Add tens

+ 13 Add ones

$\underline{963}$

H: $200 + 500 = 700$

T: $40 + 60 = 100$

O: $7 + 4 = 11$

ANSWER: $700 + 100 + 11 = 811$

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3.
$$\begin{array}{r} 729 \\ +148 \\ \hline 800 \text{ H} \\ 60 \text{ T} \\ 17 \text{ O} \\ \hline 877 \end{array}$$

4. $327 + 176 = \underline{503}$

H: $300 + 100 = 400$

T: $20 + 70 = 90$

O: $7 + 6 = 13$

$400 + 90 + 13 = 503$

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5. Whitney uses partial sums to add. Look at her work to determine which two numbers were in her original equation.

$$\underline{216} + \underline{382} = 598$$

$$200 + 300 = 500$$

$$10 + 80 = 90$$

$$6 + 2 = 8$$

$$500 + 90 + 8 = 598$$

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6. How can you determine which addends are in the original equation by looking at the partial products?

The numbers in the partial sum equations represent the parts of the original addends.

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7. Tyrone spent 172 days in school last year. If he attends school the same number of days next year, how many days will he spend in school in two years?

344 days

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How can you find the sums in a different way?

8. $475 + 325 = 800$
 $400 + 300 = 700$
 $70 + 20 = 90$
 $5 + 5 = 10$
 $700 + 90 + 10 = 800$

4	7	5
3	2	5

$$400 + 300 = 700$$

$$70 + 20 = 90$$

$$5 + 5 = \underline{10}$$

$$800$$



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9.
$$\begin{array}{r} 238 \\ + 271 \\ \hline 400 \\ 100 \\ + 9 \\ \hline 509 \end{array}$$

$$238 + 271 = ?$$

$$H : 200 + 200 = 400$$

$$T : 30 + 70 = 100$$

$$O : 8 + 1 = \underline{9}$$
$$\underline{509}$$

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How can you write a related addition equation for the subtraction equation?

1. $635 - 202 = ?$ $202 + ? = 635$

2. $400 - 151 = ?$ $151 + ? = 400$

3. $825 - 134 = ?$ $134 + ? = 825$

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4. **Error Analysis** Jayla knows she can use addition to subtract. She adds $301 + 447$ to find the difference of $447 - 301$. How can you help her understand how to use this strategy?

Jayla needs to write:

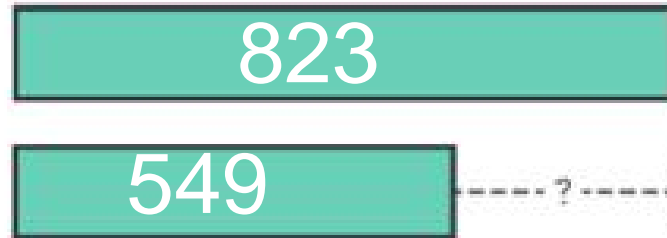
$$301 + ? = 447$$

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5. On Monday, 549 people visited the aquarium. On Friday, 823 people visited the aquarium. How many more people visited the aquarium on Friday?

- a. How can you fill in the bar diagram to represent the problem?



- b. How can you write an equation with an unknown to represent the bar diagram?

$$549 + ? = 823$$

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How can you use the relationship between addition and subtraction to find the difference?

6. $480 - 318 = \underline{162}$
 $318 + ? = 480$

7. $\underline{121} = 300 - 179$
 $179 + ? = 300$

8. $705 - 239 = \underline{466}$
 $239 + ? = 705$

9. $212 - 135 = \underline{77}$
 $135 + ? = 212$

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How can you solve the equation?

1. $437 + 269 = \underline{706}$

-1

+1

$$\begin{array}{r} 1 \\ 436 \\ + 270 \\ \hline 706 \end{array}$$

2. $\underline{566} = 123 + 443$

$$\begin{array}{rcl} 100 + 400 & = & 500 \\ 20 + 40 & = & 60 \\ 3 + 3 & = & 6 \\ & & \underline{566} \end{array}$$

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3. 879 = 367 + 512

$$\begin{array}{rcl} 300 + 500 & = & 800 \\ 60 + 10 & = & 70 \\ 7 + 2 & = & 9 \\ & & \hline & & 879 \end{array}$$

4. 791 + 111 = 902

$$\begin{array}{rcl} & +9 & -9 \\ 800 + 102 & = & 902 \end{array}$$

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How can you solve the equation? Explain your addition strategy.

8. $458 + 139 = \underline{579}$

-1

+1

$$\begin{array}{r} 457 \\ + 140 \\ \hline 579 \end{array}$$

Adjust addends

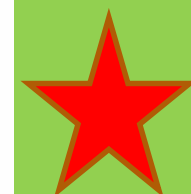
9. $719 + 234 = \underline{953}$

+1

-1

$$\begin{array}{r} 720 \\ + 233 \\ \hline 953 \end{array}$$

Adjust addends



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Name _____

How many? Fill in the blanks.

1.



3 equal groups of 4

2.



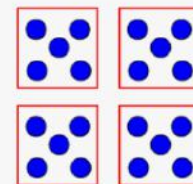
2 equal groups of 5

How can you represent the equal groups?

3. 2 equal groups of 7



4. 4 equal groups of 5



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How many objects?

5. 4 equal groups of 4 pencils

$$\begin{array}{r} 16 \\ 4 \times 4 = \end{array} \underline{\hspace{2cm}} \text{ pencils}$$

6. 3 equal groups of 2 mittens

$$\begin{array}{r} 6 \\ 3 \times 2 = \end{array} \underline{\hspace{2cm}} \text{ mittens}$$

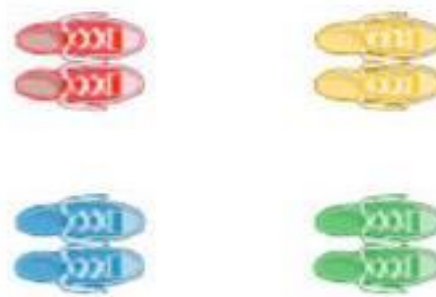
What equation represents the equal groups?

7.



$$\underline{2 \times 3 = 6}$$

8.

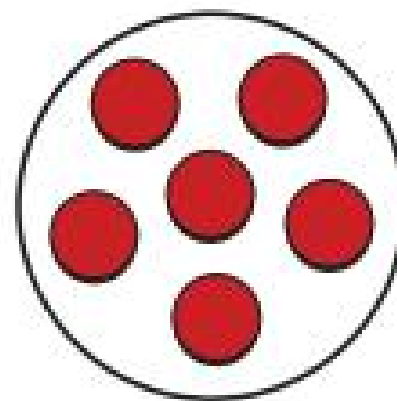
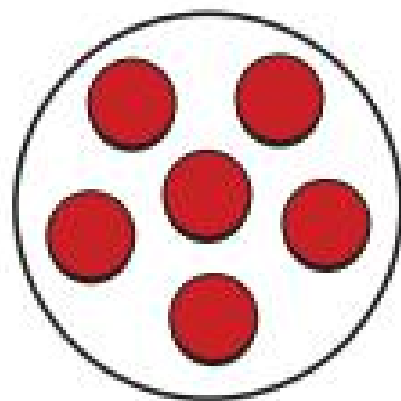


$$\underline{4 \times 2 = 8}$$

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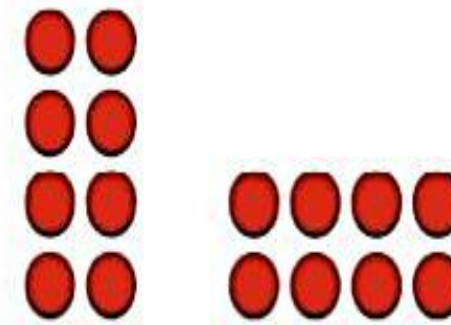


7. How can you represent these groups of counters? (Lesson 3-1)



$$\underline{2} \times \underline{6} = \underline{12}$$

1. What two multiplication equations represent these arrays?



$$\underline{4 \times 2 = 8} \quad \underline{2 \times 4 = 8}$$

2. Sam says that 6×2 and 2×6 have the same product. Do you agree with Sam? Explain why or why not.

$$6 \times 2 = 12 \quad \text{and} \quad 2 \times 6 = 12$$

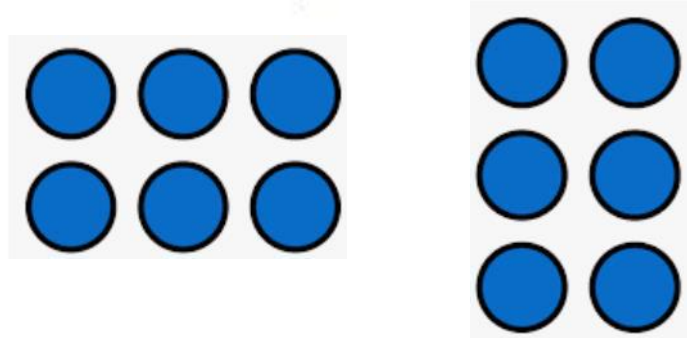
Yes, the order does not matter.

What makes the equation true? Fill in the blank.

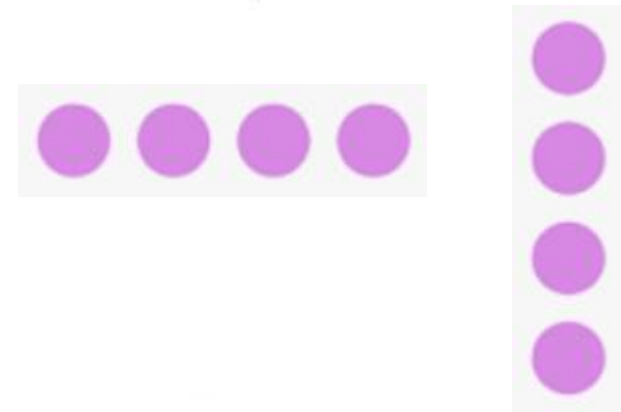
3. $5 \times 6 = 6 \times \underline{5}$

4. $9 \times 0 = \underline{0} \times 9$

5. Use representations to show
 2×3 is equal to 3×2 .



6. Use representations to show
 1×4 is equal to 4×1 .



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8. How can you complete the equations? (Lesson 3-3)

$$5 \times \underline{7} = 35$$

$$7 \times \underline{5} = 35$$

How can you draw a representation and answer the question?

1. 6 dogs

2 dogs at each water bowl

How many water bowls?

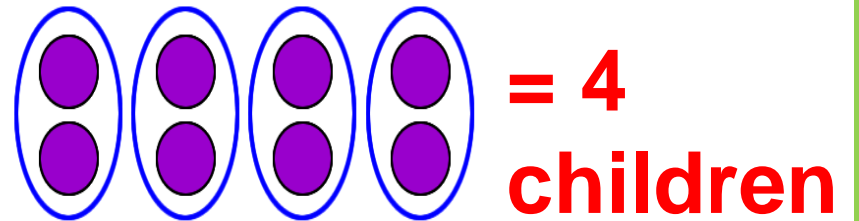


= 3 bowls

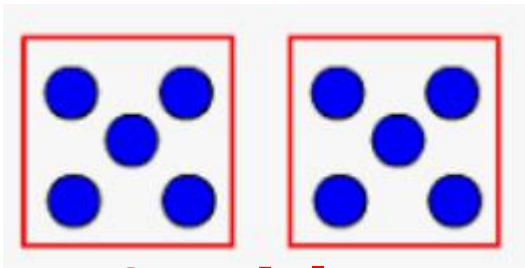
2. 8 balloons

2 balloons for each child

How many children?

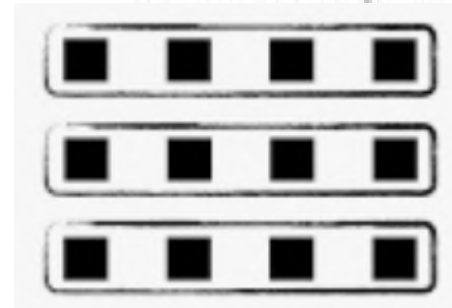


3. 10 plates
5 plates on each table
How many tables?



= 2 tables

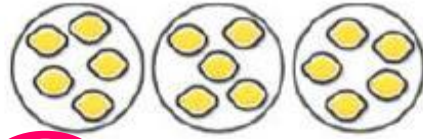
4. 12 beads
4 beads for each bracelet
How many bracelets?



= 3 bracelets

Which division equation describes the representation?

5.



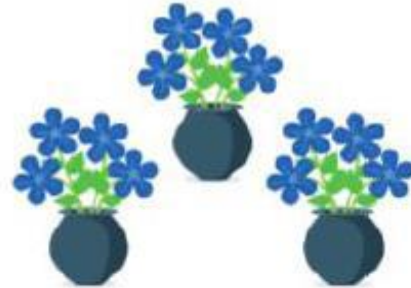
A. $15 \div 3 = 5$

B. $15 = 3 \div 3$

C. $15 \div 5 = 5$

D. $12 \div 5 = 5$

6.



A. $12 \div 4 = 4$

B. $12 = 3 \div 4$

C. $12 \div 5 = 4$

D. $12 \div 3 = 4$

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- 13.** Mason will place 18 pennies into jars. He will place 9 pennies in each jar.



What equation represents the problem? (Lesson 3-5)

$$\underline{18} \div \underline{9} = \underline{2}$$

- 15.** Victor has 16 ice cubes. He wants to place 4 ice cubes in each glass of water. How many glasses will he need? (Lesson 3-5)

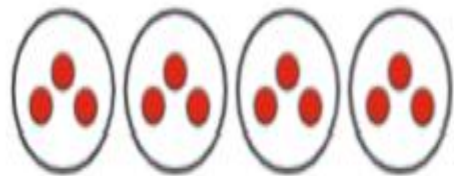
- A.** 4
- B.** 5
- C.** 6
- D.** 7

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Use the representation. What is the unknown?

1. $4 \times \underline{\text{3}} = 12$



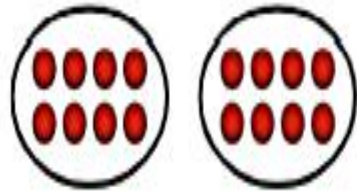
2. $\underline{\text{3}} \times 7 = 21$



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3. Robert has 16 pencils. He puts an equal number of pencils in 2 boxes. How many pencils does he put in each box?



$$16 \div 2 = \underline{8}$$

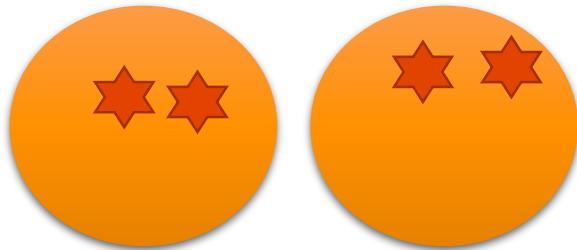
$$2 \times \underline{8} = 16$$

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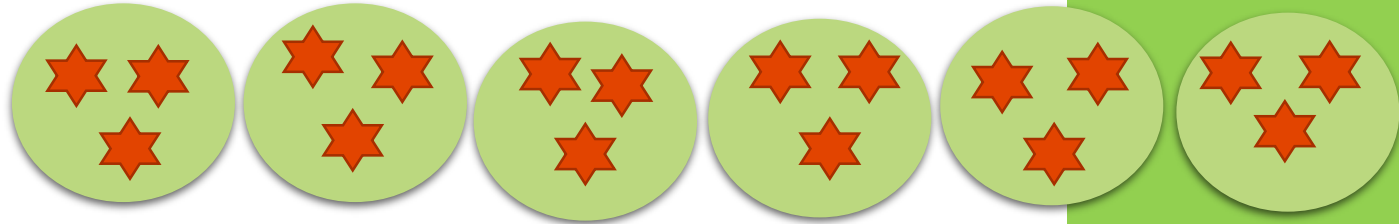


How can you draw a representation to find the unknown?

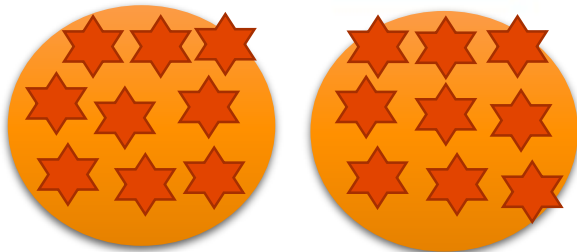
4. $4 \div 2 = \underline{2}$



5. $6 \times \underline{3} = 18$



6. $18 \div 2 = \underline{9}$



7. $\underline{3} \times 3 = \underline{9}$



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9. What number makes the equation true? (Lesson 3-7)

$$2 \times ? = 16$$

A. 7

B. 8

C. 9

D. 10



Mathematics Exam

FRQ



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9. The Comic Book Shack displays 318 comic books near the front door and keeps 502 comic books in the storage room. How can you use compatible numbers to find about how many comic books are in the store?

I can change 318 to 320.
I can change 502 to 200.

$$\begin{array}{r} 320 \\ + \quad 500 \\ \hline 720 \end{array}$$

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10. STEM Connection Saffron's bakery needs to decorate 355 cupcakes for an event. It has decorated 223 so far. How can she determine about how many more cupcakes they need to decorate?



She can round 355 to 360, 223 to 220, and then subtract. They need to decorate about 140 more cupcakes.

$$\begin{array}{r} 360 \\ - 220 \\ \hline 140 \end{array}$$

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11. Melinda estimates she traveled 830 miles last Monday and Tuesday. She traveled 412 miles on Tuesday. About how many miles could she have traveled on Monday?

Rounded to the
nearest 10

$$\begin{array}{r} 830 \\ - 410 \\ \hline 420 \end{array}$$

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12. Extend Your Thinking Jason has 744 flyers to deliver. If he has delivered 62 flyers at each of his last 2 stops, about how many flyers does he have left to deliver?

$$\begin{array}{r} + \quad 60 \\ \quad \underline{60} \\ \quad 120 \end{array} \quad - \quad \begin{array}{r} 740 \\ \underline{120} \\ 620 \end{array}$$

About 620 flyers left

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- 10.** Sasha spent 284 minutes swimming the first week and 247 minutes the second week. What is an estimate of the total time Sasha spent swimming? Explain your reasoning. (Lesson 2-3)

I can round 284 to 280. I can round 247 to 250.

I can add $280 + 250 = 530$.

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How can you solve each equation?

1. $779 - 363 = \underline{\quad 416 \quad}$

H: $700 - 300 = 400$

T: $70 - 60 = 10$

O: $9 - 3 = + 6$

2. $562 - 295 = \underline{\quad 267 \quad}$

-2

-2

560 293

⁴
~~560~~

- 293

267

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How can you solve each equation?

3. $934 - 874 =$ _____

$$\begin{aligned} 934 - 800 &= \\ 134 \\ 134 - 30 &= 104 \\ 104 - 40 &= 64 \\ 64 - 4 &= 60 \end{aligned}$$

4. $134 - 68 =$ _____

$$\begin{array}{r} +2 \quad +2 \\ 136 \quad 70 \\ \cancel{13} 6 \\ - \quad 70 \\ \hline 66 \end{array}$$

5. At the airport baggage claim, there are 497 passengers and 632 pieces of luggage. How many more pieces of luggage are there than passengers?

$$632 - 497 = ?$$

+3

+3

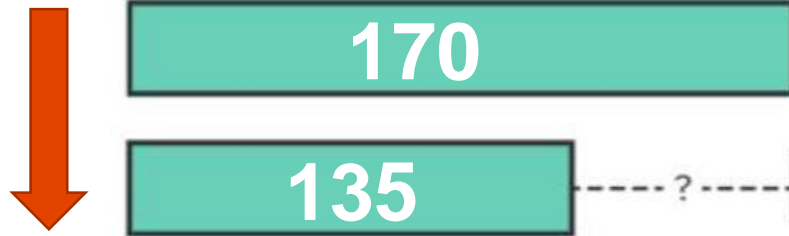
$$\begin{array}{r} 635 \\ - 500 \\ \hline 135 \end{array} \text{ pieces of luggage}$$



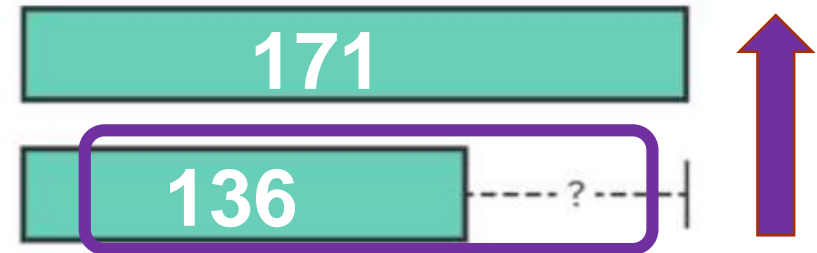


6. Mark and Heidi are asked to solve $171 - 136$. Their work is shown. Which strategy would you choose to solve the problem?

Mark
 $170 - 135 = ?$



Heidi
 $136 + ? = 171$





7. Cadence earned 299 points in her online game. This was 102 points greater than her last score. Marco earned 414 points. How many more points did Marco earn?

$$414 - 299 = ?$$

$$414 - 9 = 405$$

$$405 - 90 = 315$$

$$315 - 200 = 115$$

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Represent and solve the problem. Use letters for the unknowns.

5. Sam and Ben take turns driving. They traveled 417 miles in May and 454 miles in June. If Sam drove 502 of the miles, how many miles did Ben drive?

$$417 + 454 = a; a = 871$$

$$871 - 502 = b; b = 369$$

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6. Jaya earned \$187 babysitting. She bought a wireless speaker for \$129 and a carrying case for \$26. How much money does she have left?

$$187 - 129 = f; f = 58$$

$$58 - 26 = g; g = 32$$

7. Judy has 323 beads. Sarah has 142 more beads than Judy. How many beads do they have together?

$$323 + 142 = x; x = 465$$

$$465 + 323 = y; y = 788$$

19. Enrique read 249 pages of his book in June and 227 pages of his book in July. The book has a total of 638 pages and Enrique wants to know how many pages he has left to read. (Lesson 2-12)

Which set of equations could be used to solve the problem?

A. $227 + 249 = 476$
 $638 - 227 = 411$

B. $249 + 277 = 476$
 $638 - 476 = 162$

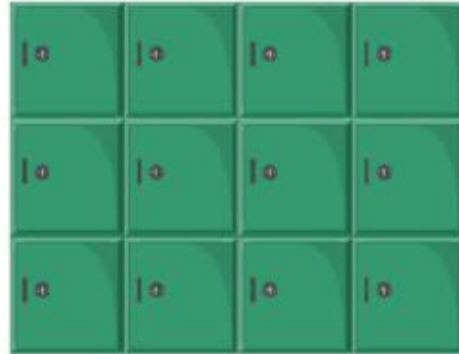
C. $638 - 249 = 389$
 $389 + 227 = 616$

D. $638 - 227 = 411$
 $411 + 249 = 660$



How many? Complete the equations.

1.



$$4 + 4 + 4 = \underline{12}$$

$$3 \times 4 = \underline{12}$$

2.

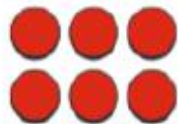


$$5 + 5 = \underline{10}$$

$$2 \times 5 = \underline{10}$$

Write one addition equation. Write one multiplication equation.

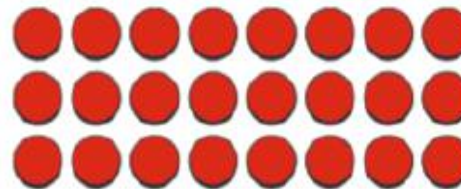
3.



$$3 + 3 = 6$$

$$2 \times 3 = 6$$

4.



$$8 + 8 + 8 = 24$$

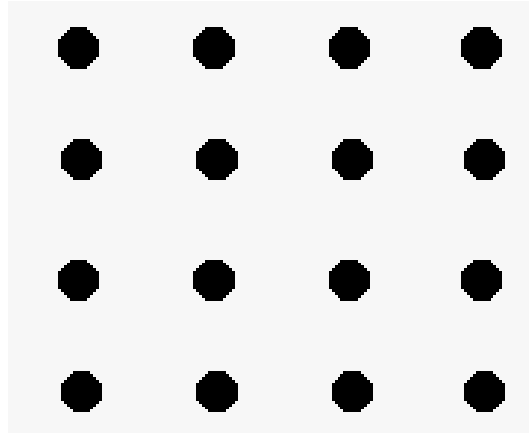
$$3 \times 8 = 24$$



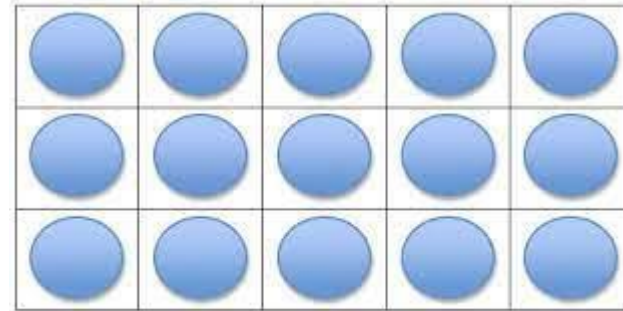


How can you draw an array to represent the equation?

5. $4 \times 4 = 16$



6. $3 \times 5 = 15$



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7. Mauricio planted a garden with 5 rows and 7 plants in each row. How can you represent the total number of plants in his garden? Choose all that apply.

A. $7 + 7 + 7 + 7 + 7$

B. $5 + 5 + 5 + 5 + 5$

C. 5×7

D. 7×7

8. Hyun has a carton of eggs. There are 2 rows of eggs with 6 eggs in each row.

- a. Draw an array to represent the problem.



- b. Write an equation to represent the problem.

$6 \times 2 = 12$ or $2 \times 6 = 12$ or $6 + 6 = 12$

- c. How many eggs does Hyun have?

12 eggs

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9. Error Analysis Frankie says she can add $3 + 5$ to find the total number of ice cubes in the tray. Do you agree? Explain.



No, she needs to multiply 3×5 to find the total.

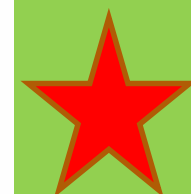
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10. Extend Your Thinking Mrs. Ruiz is placing 18 chairs in equal rows. What multiplication equations can represent different arrays she can create with the chairs?

$$2 \times 9 = 18 \text{ and } 9 \times 2 = 18$$

$$3 \times 6 = 18 \text{ and } 6 \times 3 = 18.$$



Self Assessment!

I know my work!

I can do it!

I am getting there

I need more help

