Compare. Use >, <, or =.

1. 8,000 ◯ 8,100   2. 3,404 ◯ 3,044   3. 7,635 ◯ 7,635

Round each number to the nearest ten.

4. 24   5. 16   6. 37

_____   _____   _____

Round each number to the nearest hundred.

7. 215   8. 189   9. 371

_____   _____   _____

10. A recipe calls for 11 eggs. Write this number in word form.

_____

Write each set of numbers in order from *least to greatest*.

11. 124, 139, 129   12. 257, 184, 321

_____   _____

13. There are twenty-five students in Khalid's class. Write this number in standard form.

_____

Circle the place of the highlighted digit and write its value.

	Place		Value
5. 593,802	hundreds	tens	_____
6. 4,826,193	ten thousands	hundred thousands	_____
7. 7,830,259	hundred thousands	millions	_____

Use the place-value chart for Exercises 8–16.

Thousands Period			Ones Period		
hundreds	tens	ones	hundreds	tens	ones
4	6	2	3	7	1

8. The 6 is in the _____ place.

9. The _____ is in the thousands place.

10. The 7 has a value of 7 × _____.

11. The 6 has a value of 6 × _____.

12. The _____ has a value of _____ × 100,000.

13. The _____ is in the hundreds place.

14. The 1 is in the _____ place.

15. The digit in the hundred thousands place has 10 times the value it would have if it was in the _____ place.

16. The digit in the thousands place has _____ times the value it would have if it was in the hundreds place.

Independent Practice

Write each number in standard form.

5. *twenty-five thousand, four hundred eight* _____

6. *forty thousand, eight hundred eleven* _____

7. *seven hundred sixty-one thousand, three hundred fifty-six* _____

8. *five million, seven hundred sixty-two thousand, one hundred eleven*

_____

9. 600,000 + 80,000 + 4 _____

10. 20,000 + 900 + 70 + 6 _____

11. 9,000,000 + 200,000 + 1,000 + 500 + 2 _____

Write each number in expanded form and word form.

12. 485,830

Expanded Form:

_____

Word Form:
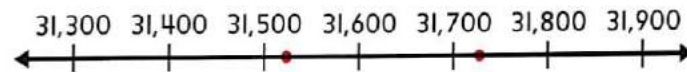
_____

_____

13. 3,029,251

Expanded Form:

_____

Word Form:

_____

_____

For Exercises 8–10, use the number lines to compare.
Use <, >, or =.

8. 45,526 ◯ 48,873

43,000 44,000 45,000 46,000 47,000 48,000 49,000

9. 31,748 ◯ 31,521

31,300 31,400 31,500 31,600 31,700 31,800 31,900

10. 126,532 ◯ 129,321

125,000 126,000 127,000 128,000 129,000 130,000 131,000
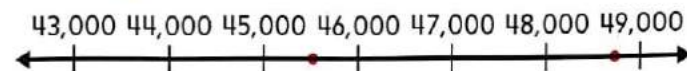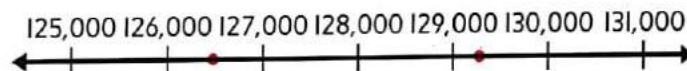
Compare. Use <, >, or =.

11. 3,030 ◯ 3,030   12. 76,101 ◯ 77,000   13. 12,683 ◯ 12,638

14. 229,214 ◯ 300,142   15. 701,000 ◯ 701,000   16. 342,646 ◯ 34,646

17. 398,421 ◯ 389,421   18. 605,310 ◯ 605,310   19. 840,515 ◯ 845,015

20. 655,543 ◯ 556,543   21. 720,301 ◯ 720,031   22. 333,452 ◯ 333,452

Place the numbers in the place-value chart in order from *greatest* to *least*.

2. 12,378
12,783
12,873

Thousands			Ones		
hundreds	tens	ones	hundreds	tens	ones
greatest →					
least →					

3. 258,103
248,034
285,091
248,934

Thousands			Ones		
hundreds	tens	ones	hundreds	tens	ones
greatest →					
least →					

4. 138,032
138,023
139,006
183,467

Thousands			Ones		
hundreds	tens	ones	hundreds	tens	ones
greatest →					
least →					

5. 652,264
625,264
652,462
625,642

Thousands			Ones		
hundreds	tens	ones	hundreds	tens	ones
greatest →					
least →					

Order the numbers from *least* to *greatest*.

6. 402,052; 425,674; 414,035

_____

7. 643,947; 643,537; 642,066

_____

8. 113,636; 372,257; 337,633

_____

9. 563,426; 564,376; 653,363

_____

Round to the given place-value position.

4. 500,580; thousands

_____

5. 290,152; hundred thousands

_____

6. 218,457; hundred thousands

_____

7. 37,890; hundreds

_____

8. 95,010; thousands

_____

9. 845,636; ten thousands

_____

10. 336,001; hundred thousands

_____

11. 709,385; hundred thousands

_____

Tell the place-value position to which each number was rounded.

12. 456,750 ⟶ 460,000

_____

13. 38,124 ⟶ 38,120

_____

14. 18,334 ⟶ 18,000

_____

15. 455,670 ⟶ 455,700

_____

16. 980,065 ⟶ 980,070

_____

17. 162,245 ⟶ 200,000

_____

Learn the Strategy

Ahmed, Mohammad, and Osama each live in a different city. The populations of the cities are 372,952; 225,395; and 373,926. Use the clues to find the population of the city where Ahmed lives.

Clues
• Mohamad's city has the least population.
• When rounded to the nearest thousand, the population of Osama's city is 374,000.

1 Understand

What facts do you know?

Ahmed, Mohammed, and Osama each live in a different city.

The populations for each city are: _____ ; _____ ; and _____

What do you need to find?

the population of _____ city

2 Plan

I can order and round the populations.

3 Solve

Order the populations from *least* to *greatest*. 225,395; 372,952; 373,926

_____ lives in the city with the least population.

Round the remaining populations to the nearest thousand.

372,952 rounds to _____. 373,926 rounds to _____.

Osama lives in the city with the population that rounds to 374,000.

So, Ahmed must live in the city that has a population of _____.

4 Check

Does your answer make sense? Explain.

_____

Add.

1. $\begin{array}{r} 35 \\ + 56 \\ \hline \end{array}$

2. $\begin{array}{r} \text{AED } 58 \\ + \text{ AED } 25 \\ \hline \end{array}$

3. $\begin{array}{r} 94 \\ + 78 \\ \hline \end{array}$

4. AED 87 + AED 35 = ____   5. 103 + 57 = _____   6. 233 + 158 = _____

7. Fawzia has a collection of 117 marbles. Her sister gives her 25 marbles. How many marbles does Fawzia have now?

_____

Subtract.

8. $\begin{array}{r} \text{AED } 57 \\ + \text{ AED } 8 \\ \hline \end{array}$

9. $\begin{array}{r} 71 \\ - 23 \\ \hline \end{array}$

10. $\begin{array}{r} 132 \\ - 74 \\ \hline \end{array}$

11. 93 − 15 = _____   12. AED 62 − AED 49 = ____ 13. 415 − 107 = _____

14. Jasem is reading a 98-page book. He has read 29 pages. How many pages does Jasem have left to read?

_____

Write each number.

7. 100 less than 37,972 _____

8. 10,000 more than 374 _____

9. 10 more than 45,301 _____

10. 1 more than 12,349 _____

11. 10,000 less than 12,846 _____

12. 1,000 more than 91,928 _____

13. 1 less than 37,937 _____

14. 1,000 less than 82,402 _____

Complete the table.

	Start	End	Change
15.	28,192		100 less
16.	8,392	8,402	
17.	521,457	520,457	
18.	51,183		1 more

Complete each number sentence.

19. 45,311 + _____ = 46,311

20. 28,400 − _____ = 28,390

21. 89,420 − _____ = 89,320

22. 84,552 + _____ = 94,552

23. 6,339 + _____ = 6,340

24. 3,014 + _____ = 13,014

Identify and complete each number pattern.

25.

8,901	8,911	8,921			_____ more

26.

	969,987	979,987		999,987	_____ more

27.

56,789		56,589	56,489	56,389	

28.

42,578			42,608	42,618	

Estimate. Round each number to the given place value.

5. AED 5,238 + AED 3,420; hundreds

6. AED 4,127 + AED 2,666; hundreds

7. 5,342 + 298; hundreds

8. 3,182 + 6,618; hundreds

9. 48,205 + 50,214; thousands

10. AED 25,497 + AED 54,088; ten thousands

11. AED 7,172 − AED 5,103; hundreds

12. 9,185 − 6,239; thousands

13. 2,647 − 256; hundreds

14. 27,629 − 5,364; thousands

15. AED 27,986 − AED 4,521; thousands

16. AED 47,236 − AED 20,425; thousands

Add. Estimate to check your work.

3. 8,346
 + 7,208

4. AED 23,824
 +AED 7,346

5. 82,828
 + 4,789

6. AED 37,178
 + AED 82,370

7. AED 693,782
 + AED 47,816

8. 743,980
 + 211,315

9. 254,671
 + 381,366

10. AED 15,789
 + AED 22,503

11. 56,772
 + 29,428

Add. Use the place-value chart to help set up the problem.

12. $17,599 + 72,682 =$ _____

Thousands			Ones		
hundreds	tens	ones	hundreds	tens	ones
+					

Subtract. Use addition or estimation to check.

3. 8,845
 − 627

4. AED 5,751
 + AED 4,824

5. AED 8,237
 + AED 5,709

6. 39,536
 − 18,698

7. 847,311
 − 562,530

8. 93,458
 − 21,649

9. 78,215
 − 56,827

10. AED 18,345
 + AED 14,400

11. 629,843
 − 216,954

Subtract. Use addition or estimation to check. Use the place-value chart to set up the problem.

12. $961,344 − 345,822 =$ _____

Thousands			Ones		
hundreds	tens	ones	hundreds	tens	ones
−					

13. Do you prefer to use addition or estimation to check? Explain.

_____

_____

Subtract. Use addition or estimation to check.

3. 2,040
  − 946

4. 7,008
  − 2,055

5. 12,050
  − 3,162

6. 10,400
  − 5,445

7. 46,801
  − 5,823

8. 60,032
  − 21,833

9. AED 52,006
  − AED 13,055

10. 600,000
  − 28,005

11. 508,200
  − 136,118

Subtract. Use addition or estimation to check. Use the place-value chart to set up the problem.

12. 900,000 − 31,650 = _____

	Thousands			Ones		
	hundreds	tens	ones	hundreds	tens	ones
−						

Algebra Write an equation to solve each problem. Use a variable for the unknown.

2. Haleema had 75 beads. She used 20 of them on a necklace and 12 of them on a bracelet. Then she bought 25 more beads. How many beads does Haleema have now?

_____

3. Jasim had AED 30. He spent AED 13 on a game and AED 5 on a poster. Then, he earned AED 8 doing chores for a week. How much money does Jasim have now?

_____

4. Saeed had 16 jars of paint. He used 2 of them on a painting. He bought 8 more jars. Then, he used some of the jars to make another painting. Now, Saeed has 15 jars of paint. How many jars did he use for the second painting?

_____

5. A restaurant served food to a large party. The manager is listing the total costs, shown below.

Item	Price (AED)
chicken	452
pasta	388
salad	150
side dishes	s

The total cost is AED 1,317. How much did the side dishes cost?

_____

My Work!

Fluency Practice

Process 6

Add.

1. 53,035
+ 39,952

2. 94,225
+ 63,236

3. 82,427
+ 37,174

4. 32,472
+ 18,009

5. 72,259
+ 62,905

6. 52,372
+ 17,429

7. 63,141
+ 14,603

8. 20,407
+ 38,692

9. 367,028
+ 52,842

10. 482,952
+ 20,485

11. 137,953
+ 84,037

12. 813,448
+ 92,734

13. 109,374
+ 824,849

14. 372,555
+ 372,555

15. 218,662
+ 741,852

16. 359,751
+ 486,258

17. 118,577
+ 254,009

18. 888,888
+ 102,222

19. 328,805
+ 646,464

20. 335,533
+ 254,009

Fluency Practice

Subtract.

1. 63,581
− 37,510

2. 72,510
− 62,507

3. 82,404
− 15,840

4. 43,524
− 43,509

5. 42,824
− 29,131

6. 34,108
− 19,888

7. 13,546
− 12,816

8. 45,850
− 29,544

9. 237,482
− 52,851

10. 321,123
− 32,123

11. 137,953
− 84,037

12. 338,200
− 12,658

13. 825,385
− 703,261

14. 651,851
− 215,992

15. 453,166
− 405,556

16. 212,894
− 198,284

17. 489,255
− 281,816

18. 258,914
− 168,876

19. 545,248
− 359,249

20. 605,060
− 488,777

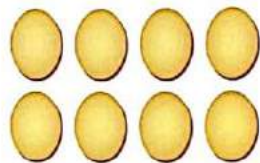Complete each number sentence.

1. $4 + 4 + 4 =$ _____

2. $6 + 6 +$ _____ $+ 6 = 24$

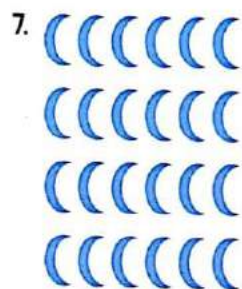**3.** $7 + 7 + 7 = 3 \times$ _____

4. $9 + 9 + 9 + 9 =$ _____ $\times 9$

5. Write the multiplication fact modeled by the array to the right.

_____

Circle equal groups of 3 in each array.

6.

7.

Complete each number pattern.

8. 2, 4, 6, _____, 10, _____, 14

9. 4, 8, 12, _____, 20, 24, _____

10. 5, _____, 15, 20, _____, 30, _____

11. _____, 18, 27, _____, 45, 54, _____

Write the fact family for each array or set of numbers.

3.

_____
_____
_____
_____

4.

_____
_____
_____
_____

5. 6, 9, 54

_____
_____
_____
_____

6. 7, 8, 56

_____
_____
_____
_____

7. 9, 11, 99

_____
_____
_____
_____

8. 11, 12, 132

_____
_____
_____
_____

Find each unknown to complete each fact family.

9. $4 \times 8 =$ _____

_____ $\times 4 = 32$

$32 \div$ _____ $= 8$

$32 \div 8 =$ _____

10. _____ $\times 9 = 72$

$9 \times 8 =$ _____

$72 \div$ _____ $= 8$

$72 \div 8 =$ _____

Use repeated subtraction to divide.

3. $16 \div 8 = $ _____

4. $14 \div 2 = $ _____

5. $18 \div 6 = $ _____

6. $15 \div 5 = $ _____

7. $25 \div 5 = $ _____

8. $27 \div 9 = $ _____

9. $24 \div 8 = $ _____

10. $20 \div 4 = $ _____

11. $24 \div 6 = $ _____

Algebra Find each unknown number.

12. $12 \div 4 = \blacksquare$

$\blacksquare = $ _____

13. $21 \div \blacksquare = 3$

$\blacksquare = $ _____

14. $\blacksquare \div 5 = 2$

$\blacksquare = $ _____

Use multiplication or division to complete each equation and/or drawing.

2. 3 times as many

_____ × _____ = 3

3. 5 times more

_____ × _____ = 25

4. 4 times as much

_____ × 3 = 12

5. 10 times as much

$10 \times$ _____ $= 40$

6. 2 times more

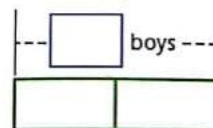$2 \times$ _____ $= 6$

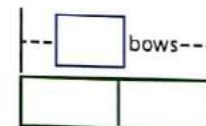**7.** twice as many

$2 \times$ _____ $= 14$

Complete each bar diagram. Then complete the multiplication equation.
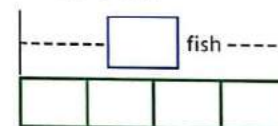
8. twice as many as 4 boys

$2 \times$ _____ $= 8$

9. 2 times as many as 3 bows

_____ × _____ = _____

10. 4 times as many as 6 fish

_____ × _____ = _____

Draw a bar diagram. Then write a multiplication equation.

11. 3 times as much money as AED 6

Write the equation.

_____

12. 5 times as many as 1 star

Write the equation.

_____

Algebra Write an equation to find the unknown number. Use a symbol for the unknown.

2. Belal drew 4 times as many pictures as Saleh. Belal drew 16 pictures. How many pictures did Saleh draw?

_____

3. Mona made 21 cupcakes. This is three times as many as the number of cupcakes that Maha made. How many cupcakes did Maha make?

_____

Algebra Write an equation to find the unknown number. Use a variable for the unknown.

4. Ayoub has French class 2 days a week. Jamal has French class 5 times a week. How many more times a week does Jamal have French class than Ayoub?

_____

5. There are 4 fewer white bunnies than gray bunnies. There are 9 white bunnies. How many gray bunnies are there?

_____

Use the table for Exercises 6–9.

6. How many more shoes were sold than belts?

_____

Items Sold at a Department Store	
Item	Number Sold
hats	4
shoes	7
belts	2
shirts	8
pants	16
socks	12

7. Which item sold 2 times as many as shirts?

_____

8. Which exercises on this page used addition or subtraction to compare? List them.

_____

9. Which exercises on this page used multiplication or division to compare? List them.

Multiply. Use the Associative Property.

4. $6 \times 1 \times 5 =$ _____

5. $2 \times 2 \times 7 =$ _____

6. $7 \times 5 \times 2 =$ _____

7. $10 \times 2 \times 5 =$ _____

8. $9 \times 3 \times 3 =$ _____

9. $6 \times 2 \times 2 =$ _____

10. $2 \times 3 \times 7 =$ _____

11. $9 \times 2 \times 4 =$ _____

12. $5 \times 1 \times 10 =$ _____

Compare. Use $>$, $<$, or $=$.

13. $4 \times 2 \times 9$ ◯ $7 \times 4 \times 2$

14. $6 \times 2 \times 6$ ◯ $5 \times 2 \times 8$

Find the value of each number sentence if ☀ $= 2$, ☺ $= 3$, and ★ $= 4$.

15. $5 \times 1 \times$ ★ $=$ _____

16. $6 \times$ ☀ $\times 3 =$ _____

17. ☺ $\times 3 \times$ ★ $=$ _____

Algebra Find the unknown number.

18. $4 \times$ ▨ $\times 1 = 12$

▨ $=$ _____

19. $2 \times 5 \times$ ▨ $= 60$

▨ $=$ _____

20. ▨ $\times 3 \times 4 = 24$

▨ $=$ _____

Find the factors of each number.

5. 4 _____

6. 7 _____

7. 14 _____

8. 28 _____
_____

9. 30 _____
_____

10. 35 _____
_____

List the first five multiples.

11. 1 _____

12. 3 _____

13. 5 _____

14. 7 _____

15. 8 _____

16. 6 _____

Tell the total number modeled by each array. Then find the factors of that number.

17. ⬤⬤⬤⬤
⬤⬤⬤⬤
_____

18. ⬤⬤⬤⬤⬤
⬤⬤⬤⬤⬤
⬤⬤⬤⬤⬤
_____
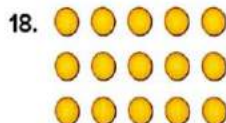
Multiply. Use models if needed.

1. 2 × 3 = _____

2. 7 × AED 8 = _____

3. 9 × 4 = _____

4. AED 7 × 5 = _____

5. Hussain's photo album has 8 pages of pictures. How many photos are in Hussain's album if the same number of photos is on each page?

_____

Identify the place value of the highlighted digit.

6. 1,630

7. AED 5,367

8. 20,495

_____   _____   _____

Round each number to its greatest place value.

9. 26 _____

10. AED 251 _____

11. 4,499 _____

12. There are 1,366 students at Al Khulifa's Al Raashidn School. About how many students attend the school?

_____

Estimate. Round to the greatest place value. Circle whether the estimate is *greater than* or *less than* the actual product.

3. 562 × 6
  ↓

greater than

less than

____ × ____ = ____

4. 2 × 896
      ↓

greater than

less than

____ × ____ = ____

5. 729 × 8
  ↓

greater than

less than

____ × ____ = ____

6. 2 × AED 438
      ↓

greater than

less than

____ × ____ = ____

7. AED 450 × 7
    ↓

greater than

less than

____ × ____ = ____

8. 3 × 5,489
     ↓

greater than

less than

____ × ____ = ____

Draw lines to match each product with its most reasonable estimate.

9. 7 × 189   • 4,800

10. 211 × 9   • 1,400

11. 8 × 632   • 2,500

12. 455 × 5   • 1,800

Multiply. Use models. Draw your models.

3. 3 × 22 = _____

4. 4 × 12 = _____

5. 3 × 20 = _____

6. 1 × 56 = _____

Algebra Find the unknown number. Use models. Draw your models.

7. 4 × 22 = a

a = _____

8. 2 × 24 = c

c = _____

Draw an array to multiply.

3. $3 \times 13 =$ _____
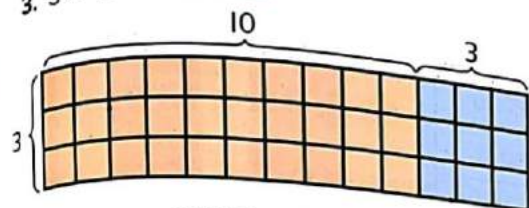
$3 \times 10 = 30$

$3 \times 3 = 9$

$30 + 9 =$ _____

5. $1 \times 26 =$ _____

4. $4 \times 12 =$ _____

Draw an area model to multiply.

6. $3 \times 31 =$ _____

7. $4 \times 22 =$ _____

_____ + _____ = _____

Algebra Find each unknown number. Use an array or area model.

8. $43 \times 2 = d$

$d =$ _____

9. $39 \times 1 = g$

$g =$ _____

Multiply. Check for reasonableness.

5.
$$\begin{array}{r} 44 \\ \times\ 2 \\ \hline \end{array}$$
□□

6.
$$\begin{array}{r} 21 \\ \times\ 4 \\ \hline \end{array}$$
□□

7.
$$\begin{array}{r} 13 \\ \times\ 2 \\ \hline \end{array}$$
□□

8. $41 \times 2 =$ _____

9. $12 \times 3 =$ _____

10. $4 \times 22 =$ _____

Algebra Find each unknown number.

11. $41 \times 2 = h$

$h =$ _____

12. $12 \times 3 = j$

$j =$ _____

13. $4 \times 22 = k$

$k =$ _____

Multiply. Use models.

3. $2 \times 17 =$ _____

4. $4 \times 32 =$ _____

5. $3 \times 44 =$ _____

6. $4 \times 54 =$ _____

7. $3 \times 28 =$ _____

8. $4 \times 63 =$ _____

9. $2 \times 48 =$ _____

10. $6 \times 24 =$ _____

11. $4 \times 38 =$ _____

12. $5 \times 27 =$ _____

Use the Distributive Property to multiply. Draw an area model.

3. $\begin{array}{r} 32 \\ \times\ 7 \\ \hline \end{array}$

4. $\begin{array}{r} 15 \\ \times\ 8 \\ \hline \end{array}$

5. $\begin{array}{r} 11 \\ \times\ 8 \\ \hline \end{array}$

6. $\begin{array}{r} 63 \\ \times\ 4 \\ \hline \end{array}$

7. $\begin{array}{r} 55 \\ \times\ 6 \\ \hline \end{array}$

8. $\begin{array}{r} 49 \\ \times\ 9 \\ \hline \end{array}$

Algebra Find each unknown number.

9. $37 \times 5 = s$

$s =$ _____

10. $99 \times 9 = t$

$t =$ _____

11. $85 \times 5 = v$

$v =$ _____

12. Write an equation that represents the area model below.

_____ $\times$ _____ $=$ _____

Multiply. Check for reasonableness.

3. 33
 × 5

4. AED 24
 × 4

5. 13
 × 7

Estimate:

Estimate:

Estimate:

6. 29 × 4 = _____

7. 5 × 18 = _____

8. 7 × AED 36 = _____

Estimate:

Estimate:

Estimate:

9. 6 × 52 = _____

10. 75 × 8 = _____

11. 4 × AED 83 = _____

Estimate:

Estimate:

Estimate:

Algebra Find the unknown number in each equation.

12. 5 × 31 = x

13. 63 × 7 = m

14. 49 × 8 = w

x = _____

m = _____

w = _____

Multiply. Check for reasonableness.

3. 313
 × 3

4. 819
 × 5

5. AED 781
 × 6

6. 238
 × 4

7. 7 × AED 460 = _____

8. 7 × 561 = _____

9. 8 × 6,328 = _____

10. 9 × AED 5,679 = _____

Algebra Find each unknown number.

11. 8 × 7,338 = x

12. 7 × 8,469 = y

13. 9 × AED 9,927 = t

14. 9 × 8,586 = u

x = _____

y = _____

t = _____

u = _____

Algebra Find each product if n = 8.

15. n × 295 = _____

16. 737 × n = _____

17. n × AED 2,735 = _____

Compare. Use >, <, or =.

18. 4 × 198 ◯ 3 × 248

19. 7 × 385 ◯ 6 × 457

Round to the given place.

1. 85,888; nearest ten thousand

_____

2. 681,002; nearest hundred thousand

_____

3. The students raised AED 6,784 for a new playground. To the nearest thousand, about how much money did the students raise?

_____

Add.

4.
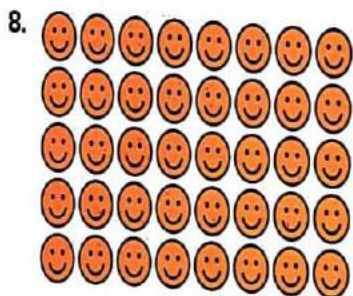$$
\begin{array}{r}
759 \\
+\ 307 \\
\hline
\end{array}
$$

5.
$$
\begin{array}{r}
34,068 \\
+\ 6,055 \\
\hline
\end{array}
$$

6.
$$
\begin{array}{r}
242,607 \\
+\ 480,196 \\
\hline
\end{array}
$$

Write a multiplication equation that represents each model.

7.

8.

_____ X _____ = _____

_____ X _____ = _____

Multiply.

9. $40 \times 9 =$ _____

10. $36 \times 7 =$ _____

Multiply.

5.
$$
\begin{array}{r}
15 \\
\times\ 20 \\
\hline
\end{array}
$$

6.
$$
\begin{array}{r}
27 \\
\times\ 30 \\
\hline
\end{array}
$$

7.
$$
\begin{array}{r}
46 \\
\times\ 40 \\
\hline
\end{array}
$$

8. $53 \times 60 =$ _____

9. $80 \times 80 =$ _____

10. $94 \times 90 =$ _____

11. AED $27 \times 10 =$ _____

12. AED $31 \times 30 =$ _____

13. AED $38 \times 50 =$ _____

14. AED $45 \times 50 =$ _____

15. AED $56 \times 70 =$ _____

16. AED $69 \times 80 =$ _____

17. If $7 \times 29 = 203$, then what is 70×29?

_____

18. If $3 \times 52 = 156$, then what is 30×52?

_____

Algebra Use mental math to find the unknown number.

19. $22 \times y = 440$

$y =$ _____

20. $15 \times y = 450$

$y =$ _____

21. $25 \times z = 500$

$z =$ _____

Estimate. Circle whether the estimate is greater than or less than the actual product.

2. 28 $\longrightarrow$
  × 25 $\longrightarrow$ × _____

greater than

less than

3. 43 $\longrightarrow$
  × 14 $\longrightarrow$ × _____

greater than

less than

4. AED 56 $\longrightarrow$
  × 37 $\longrightarrow$ × _____

greater than

less than

5. 79 $\longrightarrow$
  × 55 $\longrightarrow$ × _____

greater than

less than

6. AED 91 $\longrightarrow$
  × 64 $\longrightarrow$ × _____

greater than

less than

7. 94 $\longrightarrow$
  × 82 $\longrightarrow$ × _____

greater than

less than

Estimate the product.

8. 23 × 11 = _____

9. 35 × 37 = _____

10. 48 × 86 = _____

11. 53 × 42 = _____

12. 67 × 56 = _____

13. 73 × 84 = _____

Algebra Use mental math to find the unknown number.

14. 20 × a = 1,200

a = _____

15. b × 30 = 900

b = _____

16. 40 × c = 2,400

c = _____

Multiply. Use the area model to check.

2. 19
  × 15
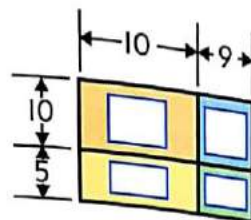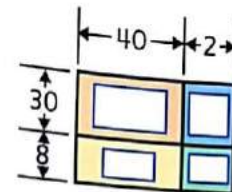
3. 42
  × 38

4. AED 54
  × 51

5. AED 74
  × 63

Multiply.

6. 47
  × 24

7. 64
  × 46

8. 83 × 67 = _____

9. 91 × 78 = _____

Concept Check
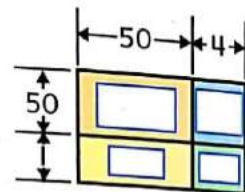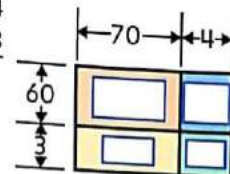
Multiply.

6. $\begin{array}{r} 90 \\ \times\ 90 \\ \hline \end{array}$

7. $\begin{array}{r} 34 \\ \times\ 80 \\ \hline \end{array}$

8. $\begin{array}{r} AED\ 28 \\ \times\ \ \ 40 \\ \hline \end{array}$

9. $\begin{array}{r} AED\ 45 \\ \times\ \ \ 30 \\ \hline \end{array}$

Estimate. Circle whether the estimate is *greater than* or *less than* the actual product.

10. $\begin{array}{r} AED\ 24 \longrightarrow \\ \times\ 31 \longrightarrow \times \underline{\hspace{1.5cm}} \end{array}$

11. $\begin{array}{r} 48 \longrightarrow \\ \times\ 89 \longrightarrow \times \underline{\hspace{1.5cm}} \end{array}$

greater than

less than

greater than

less than

12. $\begin{array}{r} 37 \longrightarrow \\ \times\ 66 \longrightarrow \times \underline{\hspace{1.5cm}} \end{array}$

13. $\begin{array}{r} AED\ 52 \longrightarrow \\ \times\ 84 \longrightarrow \times \underline{\hspace{1.5cm}} \end{array}$

greater than

less than

greater than

less than

Multiply.

14. $\begin{array}{r} 63 \\ \times\ 46 \\ \hline \end{array}$

15. $\begin{array}{r} 26 \\ \times\ 34 \\ \hline \end{array}$

16. $\begin{array}{r} AED\ 72 \\ \times\ \ 49 \\ \hline \end{array}$

17. $\begin{array}{r} AED\ 55 \\ \times\ \ 41 \\ \hline \end{array}$

Don't

Subtract.

1. $\begin{array}{r} 1,025 \\ -\ \ \ \ 6 \\ \hline \end{array}$

2. $\begin{array}{r} 2,642 \\ -\ \ \ \ 8 \\ \hline \end{array}$

3. $\begin{array}{r} 3,467 \\ -\ \ \ 29 \\ \hline \end{array}$

4. $7,024 - 15 = \underline{\hspace{1.5cm}}$

5. $1,331 - 17 = \underline{\hspace{1.5cm}}$

6. $6,050 - 23 = \underline{\hspace{1.5cm}}$

7. There are 1,080 pages in Zayed's book. He has read 1,038 pages. How many pages are left to read?

_____

Divide.

8. $2\overline{)16}$

9. $3\overline{)9}$

10. $3\overline{)24}$

11. $35 \div 5 = \underline{\hspace{1.5cm}}$

12. $48 \div 8 = \underline{\hspace{1.5cm}}$

13. $56 \div 7 = \underline{\hspace{1.5cm}}$

14. Mona has AED 32. She wants to buy CDs that cost AED 8 each. How many can she buy?

_____

Complete each set of patterns.

5. $12 \div 2 =$ _____

$120 \div 2 =$ _____

$1,200 \div 2 =$ _____

6. $54 \div 9 =$ _____

$540 \div 9 =$ _____

$5,400 \div 9 =$ _____

7. AED $36 \div 4 =$ _____

AED $360 \div 4 =$ _____

AED $3,600 \div 4 =$ _____

8. $42 \div 6 =$ _____

$420 \div 6 =$ _____

$4,200 \div 6 =$ _____

9. AED $28 \div 7 =$ _____

AED $280 \div 7 =$ _____

AED $2,800 \div 7 =$ _____

10. AED $72 \div 8 =$ _____

AED $720 \div 8 =$ _____

AED $7,200 \div 8 =$ _____

Divide. Use patterns and place value.

11. $200 \div 5 =$ _____

12. AED $600 \div 3 =$ _____

13. $900 \div 3 =$ _____

14. $800 \div 2 =$ _____

15. AED $1,400 \div 7 =$ _____

16. $4,500 \div 5 =$ _____

17. AED $3,500 \div 5 =$ _____

18. $6,300 \div 9 =$ _____

19. AED $6,400 \div 8 =$ _____

20. $1,600 \div 8 =$ _____

21. $5,400 \div 6 =$ _____

22. AED $8,100 \div 9 =$ _____

Estimate. Check your estimates using multiplication.

2. $123 \div 3$

3. AED $244 \div 6$

4. $162 \div 2$

5. $345 \div 7$

6. $538 \div 6$

7. $415 \div 6$

8. AED $1,406 \div 7$

9. $2,431 \div 8$

10. AED $2,719 \div 9$

Algebra Use mental math to find an estimate of the unknown number.

11. $4,187 \div 7 = f$

f is about _____

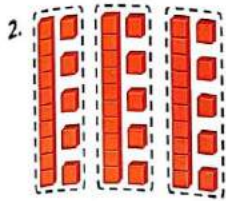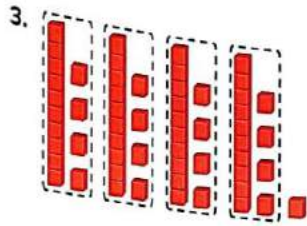12. AED $7,160 \div c =$ AED 800

c is about _____

13. $8,052 \div 9 = t$

t is about _____

Write the division sentence shown by each model.

2.

_____ ÷ _____ = _____

3.

_____ ÷ _____ = _____

Use models to find each quotient. Draw the equal groups.

4. 36 ÷ 2 = _____

5. 48 ÷ 3 = _____

There is _____ ten and _____ ones in each group.

The remainder is _____.

There is _____ ten and _____ ones in each group.

The remainder is _____.

6. 59 ÷ 4 = _____

There is _____ ten and _____ ones in each group.

The remainder is _____.

Divide. Use multiplication to check.

3. 4)48

4. 5)53

5. 6)67

6. 3)33

7. 7)73

8. 9)96

9. 69 ÷ 3 = _____

10. 77 ÷ 3 = _____

11. 99 ÷ 4 = _____

Algebra Use mental math to find the unknown.

12. $x \div 2 = 12$

$x =$ _____

13. $48 \div 4 = y$

$y =$ _____

14. $75 \div 5 = s$

$s =$ _____

Divide. Interpret the remainder.

2. Sandya is at the school carnival. She has 58 tickets. It costs 3 tickets to play the basketball game. If she plays the basketball game as many times as she can, how many tickets will she have left?

$3\overline{)58}$

$58 \div 3 =$ _____

So, there is _____ ticket left.

3. There are 75 people waiting in line to ride a roller coaster. Each car of the roller coaster holds 6 people. How many cars will be needed?

$6\overline{)75}$

$75 \div 6 =$ _____

The answer is the next whole number, _____.

So, they will need _____ cars.

4. There are 4 cartons of orange juice in each package. If there are 79 cartons of orange juice, how many packages can be filled?

$4\overline{)79}$

$79 \div 4 =$ _____

So, _____ packages can be filled.

5. The fourth grade classes are going on a field trip. There are 90 students in all. Each van can seat 8 students. How many vans will be needed?

$8\overline{)90}$

$90 \div 8 =$ _____

The answer is the next whole number, _____.

So, they will need _____ vans.

Divide. Use estimation to check.

3. $\Box\,\Box$ R $\Box$

$2\overline{)3\,7}$

$-\,\Box$

$\Box\,\Box$

$-\,\Box\,\Box$

$\Box$

4. $5\overline{)49}$ R

5. $6\overline{)91}$ R

Estimate: _____   Estimate: _____   Estimate: _____

Divide. Use multiplication to check.

6. $\Box\,\Box$ R $\Box$

$4\overline{)7\,9}$

$-\,\Box$

$\Box\,\Box$

$-\,\Box\,\Box$

$\Box$

7. $2\overline{)151}$ R

8. $3\overline{)286}$ R

Check: ___ × ___ = ___   Check: _____   Check: _____

___ + ___ = ___

Divide. Use the Distributive Property. Complete the area models.

3. $624 \div 2$

2	600		20	4

_____ + _____ + _____ = _____

$624 \div 2 =$ _____

4. $848 \div 4$

4	800		40	8

_____
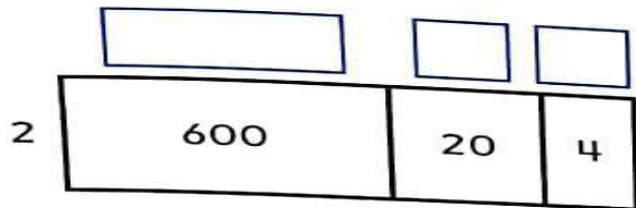
$848 \div 4 =$ _____

Divide. Use the Distributive Property. Draw area models.

5. $669 \div 3$

_____

_____

6. $442 \div 2$

_____

_____

Divide. Use the Distributive Property or partial quotients.

7. $7\overline{)826}$

8. $4\overline{)924}$

Divide. Use estimation to check.

3. 2)324

4. 3)585

5. 2)1,573

Estimate:

Estimate:

Estimate:

Divide. Use multiplication to check.

6. 3)787

7. 2)849

8. 4)994

Check:

Check:

Check:

9. 3)1,863

10. 4)3,974

11. 4)2,611

Check:

Check:

Check:

Divide. Use multiplication to check.

3. 2)214

4. 3)327

5. 5)AED 545

6. AED 613 ÷ 3 = _____

7. 837 ÷ 4 = _____

8. 1,819 ÷ 2 = _____

Algebra Find the unknown.

9. 416 ÷ ▨ = 208

10. 622 ÷ 3 = 207 R ▨

11. AED 2,429 ÷ 3 = AED ▨ R2

▨ = _____

▨ = _____

▨ = _____

Write an equation to solve each problem.
Use a variable for the unknown.

2. Shayma and her friends are making cakes. They need to divide 28 packages of gumdrops between 7 friends. There are 25 gumdrops in each package. How many gumdrops will each friend get?

Each friend gets _____ gumdrops.

3. Khaled ordered 210 pens. He divided them equally among his 10 friends. One of his friends, Humaid, already had 27 pens. Then, Humaid gave 13 of his pens to Bader. How many pens does Humaid have?

Humaid has _____ pens.

4. Hessa is collecting art supplies. She has 48 crayons, 24 markers, and 16 stickers. She divided the crayons into 8 equal groups, the markers into 6 equal groups, and the stickers into 4 equal groups. She promised her brother that he could have one group from each type of art supplies. How many art supplies does her brother get?

Hessa's brother gets _____ art supplies.

Divide.

1. $3\overline{)162}$

2. $5\overline{)261}$

3. $6\overline{)759}$

4. $4\overline{)529}$

5. $5\overline{)483}$

6. $4\overline{)244}$

7. $2\overline{)921}$

8. $8\overline{)327}$

9. $2\overline{)3,216}$

10. $6\overline{)4,842}$

11. $3\overline{)2,093}$

12. $5\overline{)3,526}$

13. $9\overline{)2,631}$

14. $3\overline{)5,111}$

15. $6\overline{)2,052}$

16. $4\overline{)1,729}$