

Q1

×	0	1	2	3	4	5	6
0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6
2	0	2	4	6	8	10	12
3	0	3	6	9	12	15	18
4	0	4	8	12	16	20	24
5	0	5	10	15	20	25	30
6	0	6	12	18	24	30	36

5

What patterns do you see in the table with the multiples of 1?

A) We get the same number as the answer.

B) We get zero as the answer

C) we get 1 as the answer

Q2

×	0	1	2	3	4	5	6
0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6
2	0	2	4	6	8	10	12
3	0	3	6	9	12	15	18
4	0	4	8	12	16	20	24
5	0	5	10	15	20	25	30
6	0	6	12	18	24	30	36

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What numbers do you get in the ones place of the products of 5?

A) We get the odd number with 1 in the ones place.

B) We get the number with 9 in the ones place.

C) we get the number with 0 and 5 in the ones place.

Q3

×	0	1	2	3	4	5	6
0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6
2	0	2	4	6	8	10	12
3	0	3	6	9	12	15	18
4	0	4	8	12	16	20	24
5	0	5	10	15	20	25	30
6	0	6	12	18	24	30	36

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What products do you see in the table with the multiples of 2?

A) We get the odd number as the answer.

B) We get even number as the answer

C) we get 2 as the answer

Q4

×	0	1	2	3	4	5	6
0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6
2	0	2	4	6	8	10	12
3	0	3	6	9	12	15	18
4	0	4	8	12	16	20	24
5	0	5	10	15	20	25	30
6	0	6	12	18	24	30	36

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What patterns do you see in the table with the products of 6?

A) We get the odd number as the answer.

B) We get 6 as the answer

C) we get even number as the answer

Q5

×	0	1	2	3	4	5	6
0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6
2	0	2	4	6	8	10	12
3	0	3	6	9	12	15	18
4	0	4	8	12	16	20	24
5	0	5	10	15	20	25	30
6	0	6	12	18	24	30	36

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How do the multiples of 10 relate to multiples of 5?

A) Multiples of 10 are triple the multiples of 5

B) Multiples of 10 are double the multiples of 5

C) Multiples of 10 are half of the multiples of 5

Q6

×	0	1	2	3	4	5	6
0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6
2	0	2	4	6	8	10	12
3	0	3	6	9	12	15	18
4	0	4	8	12	16	20	24
5	0	5	10	15	20	25	30
6	0	6	12	18	24	30	36

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What is the pattern in the products of 0?

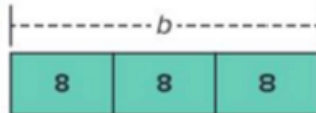
A) Always 0.

B) Sometimes 0.

C) Never 0.

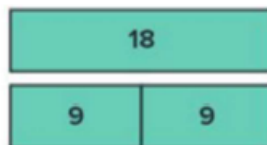
Q6

What equation represents the bar diagram?

5A)  $3 \times 8 = b$ B)  $3 \times b = 8$ C)  $8 \div 3 = b$ 

Q7

What equation represents the bar diagram?

5A)  $18 - 9 = 9$ B)  $18 \div 9 = 2$ C)  $9 \div 18 = p$

<b>Q8</b>	How will you use place value to find a? $a = 7 \times 40$			<u>5</u>
<input checked="" type="radio"/> A) 7 x 4 tens	<input type="radio"/> B) 7 x 2 tens	<input type="radio"/> C) 70 x 4 tens		

<b>Q9</b>	There are 30 markers in each package. Jacob buys 8 packages. How many markers does he buy?			<u>5</u>
<input type="radio"/> A) 38 markers	<input checked="" type="radio"/> B) 240 markers	<input type="radio"/> C) 22 markers		

<b>Q10</b>	There are 30 markers in each package. Jacob buys 8 packages. How many markers does he buy?			<u>5</u>
<input type="radio"/> A) 38 markers	<input checked="" type="radio"/> B) 240 markers	<input type="radio"/> C) 22 markers		

<b>Q11</b>	Jose paints 2 paintings in 1 day each week. How many paintings does he paint in 7 weeks?			<u>5</u>
<input type="radio"/> A) $2 \times 1 = 2$	<input checked="" type="radio"/> B) $2 \times 1 \times 7 = 14$	<input type="radio"/> C) $7 \times 1 = 7$		

<b>Q12</b>	Candice works 3 hours in 1 day. She works 3 days each week. How many hours does she work in 9 weeks?			<u>5</u>
<input type="radio"/> A) $3 \times 3 \times 1 = 9$	<input type="radio"/> B) $3 \times 9 = 27$	<input checked="" type="radio"/> C) $3 \times 3 \times 9 = 81$		

<b>Q13</b>	Jerry's mother brings orange slices to dance class. She cut each orange into 4 slices. There are 2 slices for each of the 8 dancers. How many oranges did his mother cut?			<u>5</u>
<input type="radio"/> A) 32 oranges	<input type="radio"/> B) 8 oranges	<input checked="" type="radio"/> C) 4 oranges		

Q14

Connie's photo album has 6 pages and each page has 6 photos. She decides to put all the photos already in her album on just 4 pages. She puts the same number of photos on all 4 pages. How many photos will she put on each page?

5

Step1: find how many photos we have  $6 \times 6 = 36$

Step2: divide the 36 photos into 4 pages  $36 \div 4 = 9$

Q15

All 5 people in Marcela's family order a sandwich and a drink. The total cost of the drinks is \$9. How much does Marcela's family pay for lunch?

MENU	
Sandwiches	\$8
Salads	\$6

5

Step1: cost of sandwich:  $5 \times 8 = 40$

Step2: cost of drinks and sandwich together:  $40 + 9 = 49$

Q16

The garden center sells plants in packs of 6. Felix buys 9 packs and 16 individual plants. How many plants does he buy in all?

5

Step1:  $9 \times 6 = 54$

Step2:  $54 + 16 = 70$  plants

Q17

Nathan had 8 strawberries. His brother had 12 strawberries. He and his brother shared them equally. How many strawberries did Nathan eat?

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Step1:  $8 + 12 = 20$

Step2:  $20 \div 2 = 10$  strawberries

Q18

Marcus spends \$36 on sunflowers and buys 4 zinnia plants for his garden. Marcus says he spent \$98 on plants.

Is he reasonable?

### Flower Prices

Sunflowers	\$6
Daisies	\$7
Zinnias	\$8

Step1: 4 zinnia :  $4 \times 8 = 32$

Step2: cost of zinnia and sunflowers:  $32 + 36 = 68$

She spent 68 not 98

Q19

Maria walks 3 minutes to the bus stop. Then she rides the bus 8 minutes to get to school. She does this 5 days per week. She says she spends 55 minutes traveling to school each week.

Is she reasonable?

5

Step1 :  $3+8= 11$  minutes

Step2:  $11 \times 5= 55$  minutes in 5 days

Yes is it reasonable

How can you solve the equation two ways?

Q20

$$4 \times 3 \times 2 = ?$$

$$\begin{array}{c} \boxed{4} \times \boxed{3} \times \boxed{2} = ? \\ \swarrow \quad \searrow \\ \boxed{12} \times \boxed{2} \\ \swarrow \quad \searrow \\ \boxed{24} \end{array}$$

$$\begin{array}{c} \boxed{4} \times \boxed{3} \times \boxed{2} = ? \\ \swarrow \quad \searrow \\ \boxed{4} \times \boxed{6} \\ \swarrow \quad \searrow \\ \boxed{24} \end{array}$$

Q21

$$3 \times 3 \times 4 = ?$$

$$\begin{array}{c} \boxed{3} \times \boxed{3} \times \boxed{4} = ? \\ \swarrow \quad \searrow \\ \boxed{9} \times \boxed{4} \\ \swarrow \quad \searrow \\ \boxed{36} \end{array}$$

$$\begin{array}{c} \boxed{3} \times \boxed{3} \times \boxed{4} = ? \\ \swarrow \quad \searrow \\ \boxed{3} \times \boxed{12} \\ \swarrow \quad \searrow \\ \boxed{36} \end{array}$$