

Q1: Solve.

$3 \times \boxed{} = 12$

$5 \times 9 = \boxed{}$

$6 \times \boxed{} = 60$

$24 \div 3 = \boxed{}$

$14 \div \boxed{} = 2$

$5 \times 1 = \boxed{}$

$4 \times \boxed{} = 36$

$2 \times 8 = \boxed{}$

$20 \div \boxed{} = 10$

$18 \div 3 = \boxed{}$

Q2: Solve.

$608 \text{ L} + 594 \text{ L} = \underline{\hspace{2cm}}$

- A** 1,192 L
- B** 1,202 L
- C** 1,292 L
- D** 1,102 L

Q3: A coach has 54 baseball cards. He gives an equal number of cards to each of 9 players on his team. How many cards does each player receive?Create an equation to find the total number of cards, c , each player receives.

$\boxed{} \div \boxed{} = c$

Enter your answer in the box.

Each player receives baseball cards.

Q4: Kevin buys 9 packages of juice boxes. Each package has 3 juice boxes.

To help find the total number of juice boxes, he first thinks of 10 threes and then subtracts 1 three as shown.



$$\begin{aligned} 9 \text{ threes} &= 10 \text{ threes} - 1 \text{ three} \\ &= 30 - 3 \\ &= 27 \end{aligned}$$

Which of the following shows how Kevin's strategy could be used to solve $9 \times 8 = \underline{\quad}$?

- A** $80 - 9 = 71$
 - B** $80 - 8 = 72$
 - C** $90 - 9 = 81$
 - D** $90 - 18 = 72$
-

Q5: Caroline has 5 packs of silly bands with 9 bands in each pack. After giving some away, Caroline has 12 bands left over. How many silly bands did Caroline give away? Use paper to show your work. Select the correct answer.

- A** 24
 - B** 28
 - C** 33
 - D** 57
-

Q6: Noah used a pattern strategy to solve $8 \times 9 = \underline{\hspace{2cm}}$ as shown.

$$7 \times 9 = 63$$

$$(63 + 10) - 1 = 72$$

$$8 \times 9 = 72$$

Enter a number in each box to show how Noah's strategy could be used to solve $9 \times 9 = \underline{\hspace{2cm}}$.

$$8 \times 9 = 72$$

$$(72 + \square) - \square = \square$$

$$9 \times 9 = \square$$

Q7: Caroline buys 8 books. Each book costs \$9. What is the total cost of all 8 books?

Create an equation to find the total cost. Use b to represent the unknown.

$$8 \times \square = \square$$

Enter your answer in the box.

The total cost of the books is \$.

Q8: Find the value of each unknown. Drag each answer to the box next to its equation.

DRAG DROP VALUES

$n = 0$

$n = 1$

$n = 5$

$n = 6$

$n = 7$

$n = 8$

$n = 16$

$1 \times 5 = n$	
$n \div 6 = 0$	
$n = 8 \div 8$	

Q9: Let $b = 5$. Look at each equation and select *True* if the equation is true. Choose *False* if the equation is not true, and explain why if the equation is false in the box.

$b \times 0 = 0$	<input type="text" value="a"/>	<input type="text"/>
$b \times 0 = 5$	<input type="text" value="b"/>	<input type="text"/>
$1 \times b = 5$	<input type="text" value="c"/>	<input type="text"/>
$b \times 1 = 5$	<input type="text" value="d"/>	<input type="text"/>
$5 \div b = 1$	<input type="text" value="e"/>	<input type="text"/>
$0 \div b = 5$	<input type="text" value="f"/>	<input type="text"/>
$b \div 1 = 5$	<input type="text" value="g"/>	<input type="text"/>

a. True
 False

b. True
 False

c. True
 False

d. True
 False

e. True
 False

f. True
 False

g. True
 False

Q10: Kate has a box of **72** crayons. Kevin borrows **16** crayons from Kate. Carly borrows **9** crayons from Kate.

How many crayons does Kate have left?

Use paper to write equations to solve. Use the letter L to represent the unknown.

Enter your answer in the box.

Kate has crayons left.

Q11: Part A

The shaded boxes in the multiplication table show a pattern. Use the drop-down lists to complete the statement about the pattern.

1 × 1	2 × 1	3 × 1	4 × 1	5 × 1	6 × 1	7 × 1	8 × 1
1 × 2	2 × 2	3 × 2	4 × 2	5 × 2	6 × 2	7 × 2	8 × 2
1 × 3	2 × 3	3 × 3	4 × 3	5 × 3	6 × 3	7 × 3	8 × 3
1 × 4	2 × 4	3 × 4	4 × 4	5 × 4	6 × 4	7 × 4	8 × 4
1 × 5	2 × 5	3 × 5	4 × 5	5 × 5	6 × 5	7 × 5	8 × 5
1 × 6	2 × 6	3 × 6	4 × 6	5 × 6	6 × 6	7 × 6	8 × 6
1 × 7	2 × 7	3 × 7	4 × 7	5 × 7	6 × 7	7 × 7	8 × 7
1 × 8	2 × 8	3 × 8	4 × 8	5 × 8	6 × 8	7 × 8	8 × 8

The shaded boxes show that the product of an factor times an factor is an number.

Part B

Enter a number in each box to solve.

$$7 \times 3 = (4 \times 3) + (3 \times 3)$$

$$= \text{[]} + \text{[]}$$

$$= \text{[]}$$

Use what you know to find the product of 7×12 , or 6 sevens + 6 sevens.

$$7 \times 12 = \text{[]}$$

- a. even
 odd
- b. even
 odd
- c. even
 odd

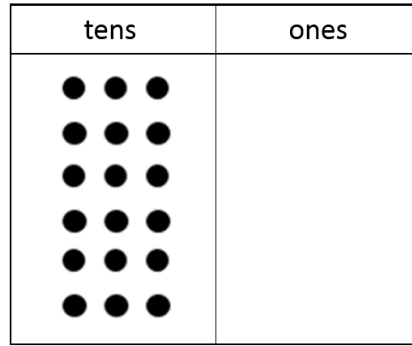
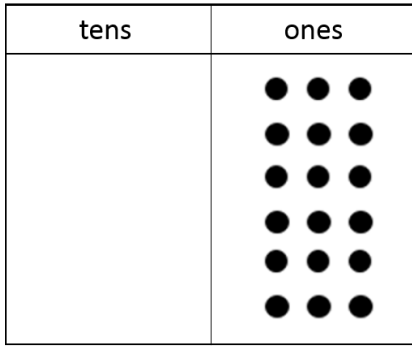
Q12: Emma is selling boxes of fruit for a school fundraiser. The cost for each box is shown in the chart.

Apples	Grapefruits	Oranges
\$22 a box	\$25 a box	\$20 a box

Emma sells 7 boxes of oranges and 1 box of apples. How much money does Emma earn for the fundraiser? Use paper to show your work. Enter your answer in the box.

Emma earns \$.

Q13: Use the charts to help solve the equations. Enter your answer in both unit form and standard form.



$$6 \times 3 \text{ ones} = \square \text{ ones}$$
$$= \square$$

$$6 \times 3 \text{ tens} = \square \text{ tens}$$
$$= \square$$

Q14: This table shows the weights of animals at the local zoo. What is the total weight of the tiger and zebra combined?

Animal	Weight (in kilograms)
Tiger	177
Gorilla	156
Zebra	384
Polar Bear	479

Use paper to show your work. Enter your answer in the box.

The combined weight of the tiger and zebra is kilograms.
