

Model Division

Name _____

Question 1 .

Russell has 24 tennis balls. He is going to divide them into 3 equal groups. Which of the following would help him figure out how many balls will be in each group?

A. $3 + 24$

~~B. $24 \div 3$~~

C. 24×3

D. $24 + 3$

Question 2 .

Joyce is baking pies. She has 10 apples. She uses 2 apples in each pie. She writes the expression $10 \div 2$ to represent this.

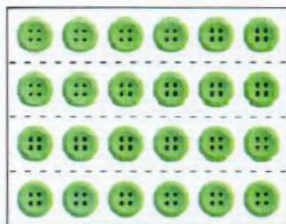
Make a model that represents the number of pies Joyce bakes. Starting with Pie 1, drag apples to show the correct number of pies in order.



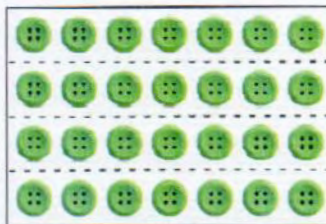
Question 3.

$$32 \div 4$$

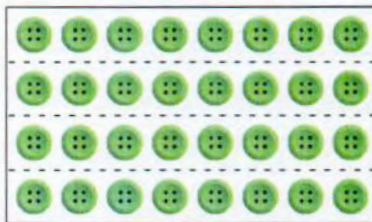
Which of the following represents the above expression?



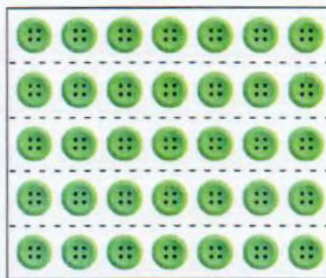
W.



X.



Y.



Z.

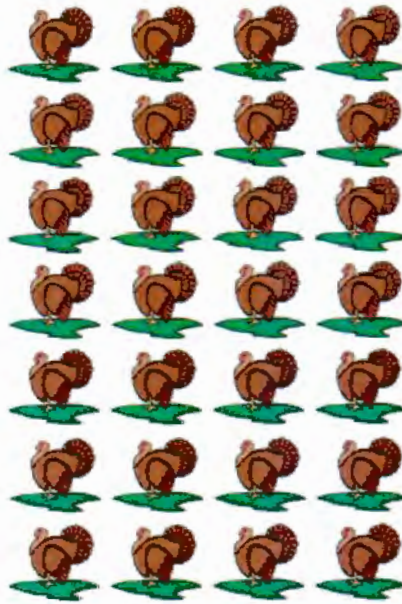
~~A. Z~~

B. Y

C. X

D. W

Question 4 .



A farmer has 28 turkeys. He wants to put them in 7 equal coops. How many turkeys will go in each coop?

A. 3

~~B. 5~~

C. 4

D. 6

Question 5 .

Which statement can be represented by the expression $18 \div 3$?

~~A. the number of apples needed to put 18 apples in one basket and 3 apples in another basket~~

B. the number of apples in baskets when 18 baskets each have 3 apples

C. the number of apples in each basket when 18 apples are put equally into 3 baskets

D. the number of apples in a basket when 18 apples are in the basket and 3 are taken out from the basket

Question 6 .

Kevin is putting 16 toy cars into 2 boxes.



If Kevin puts the same number of toy cars into each box, which number sentence shows how many toy cars will go into each box?

~~A. $16 + 2 = 18$~~

B. $16 \div 2 = 8$

C. $16 \times 2 = 32$

D. $16 - 2 = 14$

Question 7 .

Kara is on a 15-mile bike ride. She rides 3 miles and then drinks water. She repeats this during the whole bike ride.

- Part A: Place points on the number line to show where on the bike ride Kara drinks water.
- Part B: Place a point inside the circle next to the expression that represents the number of times Kara drinks water during her bike ride.

Drawing Tools

Click on a tool to begin drawing.

Delete

Undo

Reset

Select

Point

<p>Part A</p> <p>Length of Bike Ride (miles)</p>	
<p>Part B</p> <p><input type="radio"/> $15 - 3$</p> <p><input type="radio"/> $15 \div 3$</p>	<p><input type="radio"/> $3 \div 15$</p> <p><input type="radio"/> $3 - 15$</p>

Question 8 .

Nicolas has 24 marbles. He is going to divide them into 3 equal groups. Which of the following would help him figure out how many marbles will be in each group?

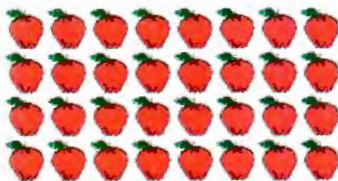
A. $24 - 3$

B. $24 \div 3$

~~C. 24×3~~

D. $3 + 24$

Question 9 .



Michael has 32 apples. He wants to put them in 4 equal groups. How many apples will be in each group?

A. 6

B. 8

~~C. 9~~

D. 7

Question 10 .

Elena is putting 24 candies into 4 jars.



If Elena puts the same number of candies into each jar, which number sentence shows how many candies will go into each jar?

A. $24 \div 4 = 6$

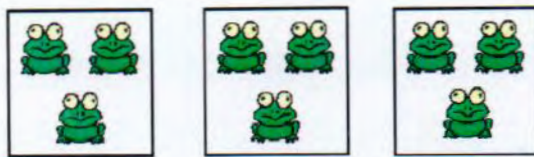
B. $24 \times 4 = 96$

~~C. $24 + 4 = 28$~~

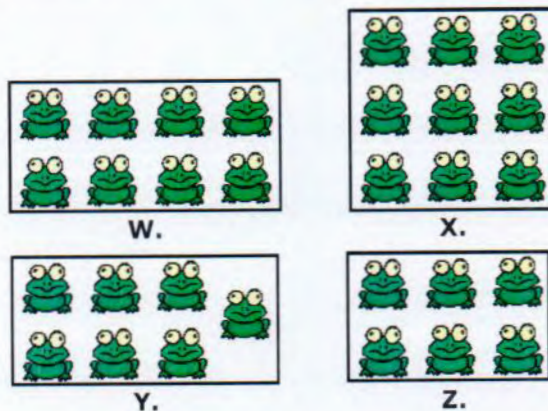
D. $24 - 4 = 20$

Model Multiplication and Division

Question 1 .



Which of the following sets will be formed if the three sets above are joined together?



A. X

B. Z

~~C. W~~

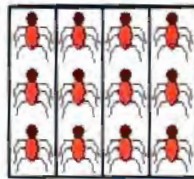
D. Y

6

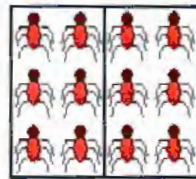
Question 2 .



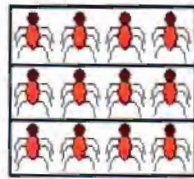
Which picture below shows the group of ants above divided into 3 equal sets?



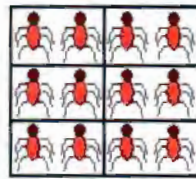
W.



X.



Y.



Z.

A. X

B. Y

~~C. Z~~

D. W

Question 3 .

$$8 \div 2$$

Which of the following is the same as the expression above?



W.



X.



Y.



Z.

A. W

B. X

~~C. Y~~

D. Z



Name: _____

Class: _____

Find each quotient.

1 $3 \overline{)63}$

$$\begin{array}{r} 21 \\ 3 \overline{)63} \\ \underline{-6} \\ 03 \\ \underline{-3} \\ 0 \end{array}$$

2 $5 \overline{)85}$

3 $4 \overline{)92}$

4 $2 \overline{)528}$

5 $5 \overline{)875}$

6 $6 \overline{)792}$

7 $4 \overline{)4,620}$

8 $3 \overline{)7,491}$





Name: _____

Class: _____

Find each quotient.

1 $2\overline{)65}$

2 $4\overline{)75}$

3 $3\overline{)83}$

4 $5\overline{)637}$

5 $6\overline{)874}$

6 $2\overline{)365}$

7 $3\overline{)4,162}$

8 $4\overline{)6,331}$





Name: _____

Class: _____

Oh no! Granny has spilled some coffee over her accounts.

Can you help her by finding the numbers that are missing from her calculations?

Rewrite the calculation in the box.

Solve the problem and show your work.

1

$$\begin{array}{r} 26 \\ 3 \overline{) \text{ * } 78} \end{array}$$

$$\begin{array}{r} 26 \\ 3 \overline{) 78} \end{array}$$

$$3 \times 2 = 6 \text{ and } 6 \div 3 = 2.$$

$$8 \div 3 \text{ is not } 6, \text{ but } 18 \div 3 \text{ is } 6.$$

We need 1 more ten, so
6 tens + 1 ten is 7 tens.

The missing number is 7.

2

$$\begin{array}{r} 19 \\ 5 \overline{) \text{ * } 5} \end{array}$$

$$\begin{array}{r} \\ \overline{) } \end{array}$$

3

$$\begin{array}{r} 28 \\ 3 \overline{) \text{ * } 4} \end{array}$$

$$\begin{array}{r} \\ \overline{) } \end{array}$$

4

$$\begin{array}{r} 24 \\ 4 \overline{) \text{ * } 6} \end{array}$$

$$\begin{array}{r} \\ \overline{) } \end{array}$$

