



Multiplication word problems

Subject: Mathematics

State: Ohio

Student Name: _____

Teacher Name: _____

School Name: _____

1 Answer the following questions. Draw pictures to explain your work.

(a) Maria cuts 12 feet of ribbon into 3 equal pieces so she can share it with her two sisters. How long is each piece?

(b) Maria has 12 feet of ribbon and wants to wrap some gifts that need 3 feet of ribbon each. How many gifts can she wrap using the ribbon?

2 Solve each of the following problems. Draw pictures or explain your work for each problem.

(a) Sandra has 6 grandchildren, and she gave each of them \$9. How much money did she give to her grandchildren altogether?

(b) Nita gave each of her grandchildren \$8. If she gave a total of \$48, how many grandchildren does Nita have?

(c) Helen gave each of her 7 grandchildren an equal amount of money. If she gave a total of \$42, how much did each grandchild get?

3 Marcus has 36 marbles. He is putting an equal number of marbles into each of 4 bags.

For a-d, choose Yes or No to indicate whether each number sentence could be used to find the number of marbles Marcus puts in each bag.

a. $36 \times 4 = \square$

Yes No

b. $36 \div 4 = \square$

Yes No

c. $4 \times \square = 36$

Yes No

d. $4 \div \square = 36$

Yes No

4 Max the monkey loves bananas. Molly, his trainer, has 24 bananas. If she gives Max 4 bananas each day, how many days will the bananas last?

(A) 2 days

(B) 4 days

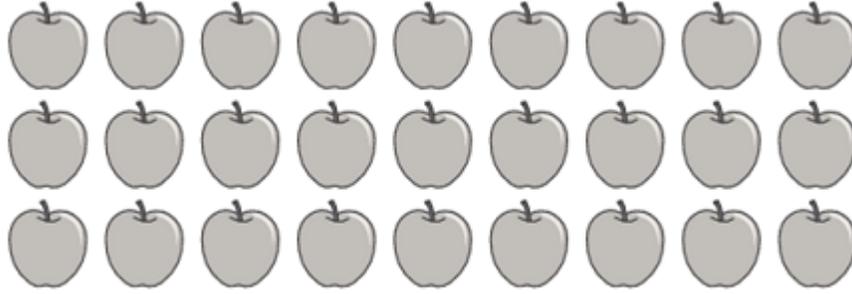
(C) 6 days

(D) 8 days

5 There are 18 desks in a classroom. If the teacher puts 6 desks in each row, how many rows are there?

Draw a picture to help explain your answer.

6 Jeff has 27 apples. He needs to divide them equally into 3 bags.



How many apples will be in each bag?

7 Each page in a picture album has 3 rows, and 4 pictures fit in each row. How many pictures fit on each page?

(A) 9

(B) 11

(C) 12

(D) 15

8 Ms. Gonzales put 24 desks into groups. Each group had 4 desks.

Which number sentence can be used to find how many groups of desks Ms. Gonzales made?

(A)

$$\square \div 4 = 24$$

(B)

$$\square - 4 = 24$$

(C)

$$24 \div 4 = \square$$

(D)

$$24 - 4 = \square$$

9 Cade has 4 boxes. He puts 9 model cars in each box.

What is the total number of model cars Cade put in these boxes?

10 Lindsay has 18 flowers. She plants them in 6 flower pots. Each flower pot has an equal number of flowers.

How many flowers are in each flower pot?

11 Jane bought 24 light bulbs. The light bulbs come in packs of 4.

How many packs of light bulbs did Jane buy?

12 An artist plans to paint a wall in a room. The wall is divided into 6 equal parts so that each part can be painted a different color.

Artist's Wall



The artist goes to the store to buy brushes and small cans of paint. He pays a total of \$94.

He buys 8 brushes that cost \$5 each.

The rest of the money is used for the 6 cans of paint. Each can of paint costs the same amount.

How much does each can of paint cost?

Be sure to show all work and provide an explanation to support your answer.

13 A teacher bought 8 packages of pencils. There were 10 pencils in each package. What is the total number of pencils the teacher bought?

14 A baker has 48 cupcakes to deliver. The baker puts 6 cupcakes in each box. Which equations represent the number of boxes the baker needs to deliver all 48 cupcakes?

Select the **three** correct answers.

(A) $48 \div ? = 6$

(B) $48 \times 6 = ?$

(C) $6 \times ? = 48$

(D) $48 \div 6 = ?$

(E) $6 + ? = 48$

(F) $6 + 48 = ?$

15 A brick path has 10 rows of 4 bricks. How many bricks are in the path?

16 Ava uses stickers to decorate picture frames. She has a total of 60 stickers. She uses 10 stickers on each picture frame.

When she uses all of her stickers, how many picture frames does Ava decorate?

17 Nicole buys bags of soil to plant flower seeds. The total weight of the soil is between 35 and 55 pounds. What can be the number and weight of the bags of soil that Nicole buys?

Select the **three** correct answers.

- (A) 6 bags of soil that each weigh 6 pounds
- (B) 6 bags of soil that each weigh 9 pounds
- (C) 7 bags of soil that each weigh 8 pounds
- (D) 8 bags of soil that each weigh 6 pounds
- (E) 9 bags of soil that each weigh 7 pounds
- (F) 9 bags of soil that each weigh 9 pounds

18 Bill has 32 cherry tomatoes. He puts an equal number of cherry tomatoes in each of 8 salads.

How many cherry tomatoes does Bill put in each salad?

19 There are 5 rows of trading cards with 3 trading cards in each row. How many trading cards are there?

Write your answer below.

20 Jack has 24 fish. He puts them into 4 bowls. Each bowl has an equal number of fish.

How many fish are in each bowl?

Write your answer below.

21 Christopher planted 24 bean plants in his garden. He placed the bean plants in 4 rows. Each row had the same number of plants.

Part A

Draw an array to show how Christopher placed all the bean plants in his garden.

Part B

How many bean plants did Christopher place in each row?

22 A roller skating team has 10 members. Each team member has 2 skates. Each skate has 4 wheels. What is the total number of skate wheels that the team has?

(A) 16

(B) 48

(C) 60

(D) 80

23 Jerry earned 231 points at school last week. This week he earned 79 points. If he uses 60 points to earn free time on a computer, how many points will he have left?

Show your work using pictures or number lines, as well as numbers and words.

24 Mike runs 2 miles a day. His goal is to run 25 miles. After 5 days, how many miles does Mike have left to run in order to reach his goal?

- (A) 3 miles
- (B) 8 miles
- (C) 10 miles
- (D) 15 miles

25 Four families bring chairs to Mr. Smith's party. Each family brings the same number of chairs.

Three more chairs are needed to seat all 27 guests.

How many chairs did each family bring to the party?

- (A) 4
- (B) 6
- (C) 7
- (D) 20

26 Last month James read three books. The chart below shows the number of pages in each book he read.

Books that James Read

Title of Book	Number of Pages
<i>Brave Boy</i>	42
<i>Wild Horses</i>	61
<i>Baseball Hero</i>	58

Which estimate is closest to the total number of pages that James read last month?

- (A) 150
- (B) 160
- (C) 180
- (D) 200

27 Third-grade students took a total of 1,000 pictures for the yearbook during the school year.

- Ted took 72 pictures.
- Mary took 48 pictures.

What is the total number of pictures taken by the rest of the third-grade students during the school year?

28 Rick keeps his trading cards in a box. Rick's uncle gave him 6 packs of 8 trading cards to add to his box.

Rick found that 29 of the trading cards from his uncle were different than any of the cards he already had in his box. The rest of the trading cards from his uncle were the same as those he already had.

Part A: How many of the trading cards from his uncle were the same as those Rick already had in his box?

Part B: Rick's uncle also gave him a book to hold the trading cards. To fill 1 page of the book completely, 10 trading cards must be placed on the page.

Rick will place the 61 trading cards he already had and the 29 new trading cards in the book. What is the total number of pages Rick will fill completely in the book?

29 A pet store has 5 fish tanks with 10 fish in each tank. A shopper buys 8 fish and takes them home.

After the shopper leaves the store, what is the total number of fish left in the pet store's tanks?

(A) 23

(B) 42

(C) 50

(D) 58