

Fill in the circle next to the correct answer.

1. Seth bought baseball cards in sets of 6 for his collection. If he has 384 cards, how many sets has he bought?

(A) 46      (C) 48  
(B) 64      (D) 84

2. Sam has  $\frac{3}{5}$  as many baseball cards as Alex. If Alex has 250 cards, how many cards does Sam have?

(A) 50      (C) 100  
(B) 200      (D) 150

3. What is 100% of 25?

(A) 25      (C) 20  
(B) 5      (D) 50

4. What is 25% of 24?

(A) 25      (C) 6  
(B) 12      (D) 4

5. What is 80% of 40?

(A) 32      (C) 30  
(B) 40      (D) 20

6. What is 10% of 100?

(A) 10      (C) 50  
(B) 20      (D) 90

Use the following four figures to answer numbers 7 and 8.

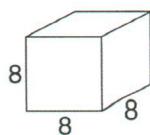


Figure A

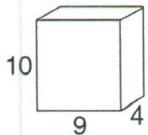


Figure B

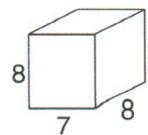


Figure C

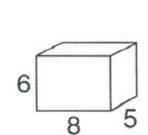


Figure D

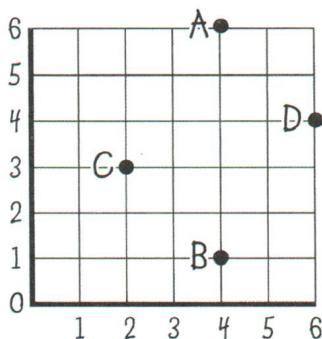
7. Which figure has a volume of 240 cubic inches?

(A) Figure A      (C) Figure C  
(B) Figure B      (D) Figure D

8. Which figure has a volume of 360 cubic inches?

(A) Figure A      (C) Figure C  
(B) Figure B      (D) Figure D

Use the following line graph to answer numbers 9 through 12.



9. Which point is located at (4, 6)?

(A) point A      (C) point C  
(B) point B      (D) point D

10. Which point is located at (2, 3)?

(A) point A      (C) point C  
(B) point B      (D) point D

11. Which point is located at (6, 4)?

(A) point A      (C) point C  
(B) point B      (D) point D

12. Plot point W at (3, 5) and point Z at (4, 3) on this graph.

# Pizza Party

## Skills:

Multiplication  
of Fractions  
Including  
Mixed  
Numbers

## Win a Pizza!

The local pizza parlor is giving away a pizza to anyone who can answer all of these multiplication problems. Marcos wants to win. Can you give him a helping hand to find the correct answers? Write the answers in the simplest form.

1.  $\frac{2}{5} \times \frac{1}{3} =$  \_\_\_\_\_

2.  $\frac{1}{4} \times \frac{3}{7} =$  \_\_\_\_\_

3.  $\frac{1}{2} \times \frac{3}{8} =$  \_\_\_\_\_

4.  $\frac{3}{7} \times \frac{3}{4} =$  \_\_\_\_\_

5.  $\frac{5}{9} \times \frac{1}{3} =$  \_\_\_\_\_

6.  $1\frac{2}{5} \times 3\frac{3}{4} =$  \_\_\_\_\_

7.  $4\frac{2}{7} \times \frac{1}{2} =$  \_\_\_\_\_

8.  $3\frac{3}{5} \times 2\frac{6}{7} =$  \_\_\_\_\_

9.  $1\frac{2}{5} \times 2\frac{3}{4} =$  \_\_\_\_\_

10.  $4\frac{1}{2} \times 3\frac{1}{2} =$  \_\_\_\_\_



### Remember:

To multiply fractions, multiply the numerators, then multiply the denominators.

$$\frac{1}{2} \times \frac{2}{3} = ?$$

$$\frac{1 \times 2}{2 \times 3} = \frac{2}{6}$$

Reduce  $\frac{2}{6}$  to simplest terms.

$$\frac{2}{6} = ?$$

$$\frac{2 \div 2}{6 \div 2} = \frac{1}{3}$$

To multiply mixed numbers by fractions, change the mixed numbers to improper fractions.

$$2\frac{1}{2} \times 2\frac{2}{3} = ?$$

$$\frac{5}{2} \times \frac{8}{3} =$$

Then multiply the fractions.

$$\frac{5 \times 8}{2 \times 3} = \frac{40}{6}$$

$$\frac{40}{6} = 6\frac{4}{6} = 6\frac{2}{3}$$

# Tongue Twister

Complete each division problem below. Then write the corresponding letter on the line in front of each problem. The letters will spell out a tongue twister. Try to say it quickly six times.

## Skills:

Division of Fractions

**S**

$$\frac{3}{4} \div \frac{1}{2} = 1\frac{1}{2}$$

$$\frac{1}{2} \div \frac{2}{3} =$$

$$\frac{4}{5} \div \frac{3}{5} =$$

$$\frac{2}{3} \div \frac{5}{6} =$$

$$\frac{4}{7} \div \frac{1}{2} =$$

$$\frac{2}{4} \div \frac{2}{3} =$$

$$\frac{8}{10} \div \frac{3}{5} =$$

$$\frac{3}{4} \div \frac{1}{3} =$$

$$\frac{6}{8} \div \frac{1}{3} =$$

$$\frac{4}{5} \div \frac{2}{5} =$$

**1½**

**S**

**2**

**A**

**4/5**

**C**

**1 1/7**

**Y**

**1 1/3**

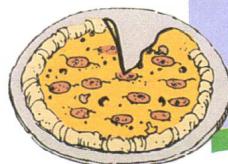
**I**

**2 1/4**

**Z**

**3/4**

**P**



## Remember:

To divide fractions, invert (turn upside down) the divisor fraction. Then multiply the fractions. Write the answer in the lowest terms.

**For example,**

$$\frac{2}{3} \div \frac{1}{3} = ?$$

$$\frac{5}{6} \div \frac{2}{3} = ?$$

$$\frac{2}{3} \times \frac{3}{1} = \frac{6}{3}$$

$$\frac{5}{6} \times \frac{3}{2} = \frac{15}{12}$$

$$\frac{6}{3} = 2$$

$$\frac{15}{12} = 1\frac{3}{12} = 1\frac{1}{4}$$

**Pizza Party**

## Skills:

Division of  
Fractions  
Including  
Mixed  
Numbers

## Pizza Parlor

Solve each problem.

- Tim has one-half of a pizza that he wants to divide equally between two people. Draw a picture of this problem and tell how much pizza each person will get. Write the math sentence that goes with the problem.  


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- George has three-fourths of a pizza. He is going to divide it into six equal pieces. Draw a picture of this problem and tell how much of the whole pizza each slice will be. Write the math sentence that goes with the problem.  


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- Kelley has two whole pizzas. She is going to divide each pizza into pieces that are one-third of a whole pizza. Draw a picture of this problem and tell how many pieces she can make. Write the math sentence that goes with the problem.  


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- Linda has five and one-third pizzas. She is going to divide them between some people who each request one and one-third pizzas. Draw a picture of this problem and tell how many one and one-third pizzas she can make. Write the math sentence that goes with the problem.  


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### Remember:

To divide a fraction by a whole number, change the whole number to an improper fraction with a denominator of one. Invert the divisor fraction and multiply.

$$\frac{1}{3} \div 3 = ?$$

$$\frac{1}{3} \div \frac{3}{1} =$$

$$\frac{1}{3} \times \frac{1}{3} = \frac{1}{9}$$

To divide a whole number by a fraction, change the whole number to an improper fraction with a denominator of one. Invert the divisor fraction and multiply.

$$6 \div \frac{3}{4} = ?$$

$$\frac{6}{1} \div \frac{3}{4} =$$

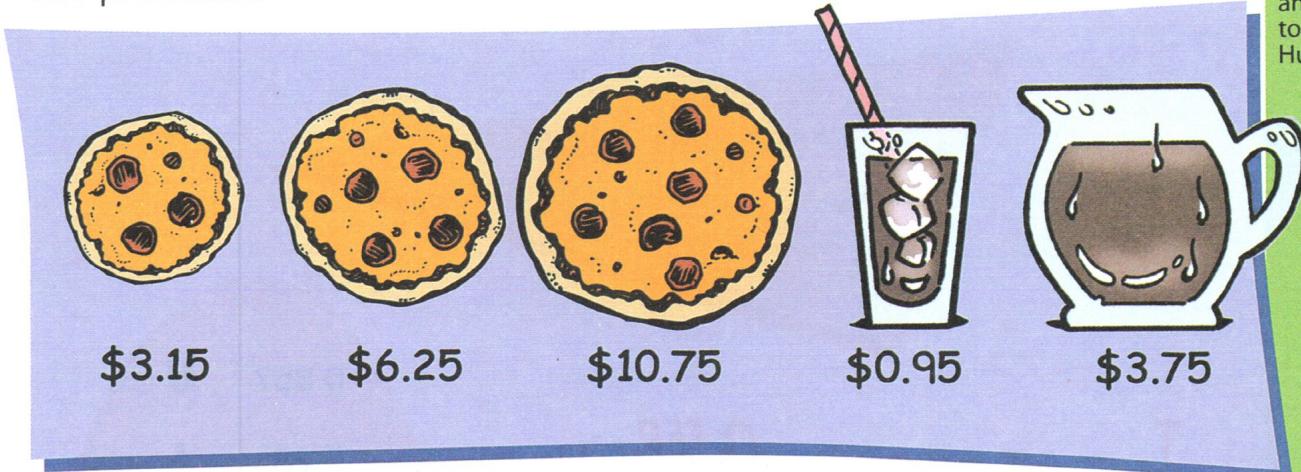
$$\frac{6}{1} \times \frac{4}{3} = \frac{24}{3} = 8$$

# Pizza Party

Jake invited 11 of his friends to his birthday party at Antonio's Pizza Parlor. Use the information on the chart to help you solve the problems.

## Skills:

Computation  
of Fractions  
and Decimals  
to the  
Hundredths



1. Jake ordered the following. How much did it cost?

- 4 large pepperoni pizzas
  - 3 pitchers of cola
- 

2. Each pizza was cut into 12 pieces. Each child ate  $\frac{1}{4}$  of a pizza. How many pieces did each child eat?
- 

3. Jake decided to take a medium cheese pizza and a small vegetable pizza home to his family. How much did this cost?
- 

4. What is the difference between what Jake spent for the party and the cost of the pizzas he bought to take home?
- 

# Pizza Party

# Pizza Party

## Skills:

Multiplication  
of Decimals  
to the  
Hundredths

## Riddle Time

To figure out the answer, solve each of the multiplication problems below. Write the letter that corresponds to the answer on the line in front of each problem. The letters will spell out the answer.

Where is the best  
place to eat a pizza?

- I       $0.7 \times 0.4 =$  0.28
- $0.2 \times 0.3 =$  \_\_\_\_\_
- $0.9 \times 0.4 =$  \_\_\_\_\_
- $1.2 \times 0.6 =$  \_\_\_\_\_
- $4.3 \times 0.09 =$  \_\_\_\_\_
- $1.2 \times 1.3 =$  \_\_\_\_\_
- $5.1 \times 2.6 =$  \_\_\_\_\_
- $0.36 \times 2 =$  \_\_\_\_\_
- $1.29 \times 0.3 =$  \_\_\_\_\_
- $1.8 \times 6.4 =$  \_\_\_\_\_
- $0.17 \times 2.1 =$  \_\_\_\_\_

0.357	H
0.28	I
13.26	M
0.06	N
0.72	O
1.56	R
11.52	T
0.387	U
0.36	Y

