

Choose the correct answer.

1. Julia has  $\frac{1}{2}$  quart of milk. If she pours the same amount of milk into 3 glasses, what fraction of a quart of milk is in each glass?

A  $\frac{1}{6}$  quart  
 B  $\frac{1}{5}$  quart  
 C  $\frac{2}{3}$  quart  
 D  $1\frac{1}{2}$  quarts

2. Five friends share 3 bags of trail mix equally. What fraction of a bag of trail mix does each friend get?

A  $\frac{3}{8}$   
 B  $\frac{3}{5}$   
 C  $\frac{2}{3}$   
 D  $1\frac{2}{3}$

3. Brendan made a marble cake. He gave equal portions of  $\frac{1}{2}$  of the cake to 6 friends. What diagram could Brendan use to find the fraction of the whole marble cake that each friend got?



4. Kayleigh has  $\frac{1}{4}$  cup of oil. She pours the same amount into each of 2 frying pans. Which equation represents the fraction of a cup of oil,  $n$ , that is in each frying pan?

A  $\frac{1}{4} \div \frac{1}{2} = n$

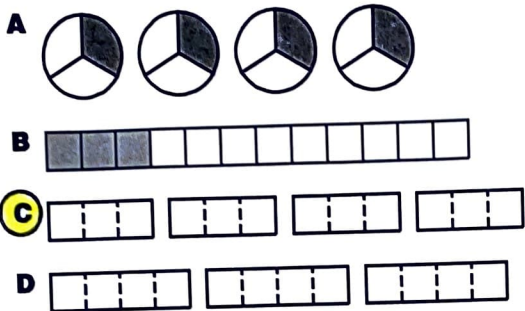
B  $2 \div \frac{1}{4} = n$

C  $2 \div 4 = n$

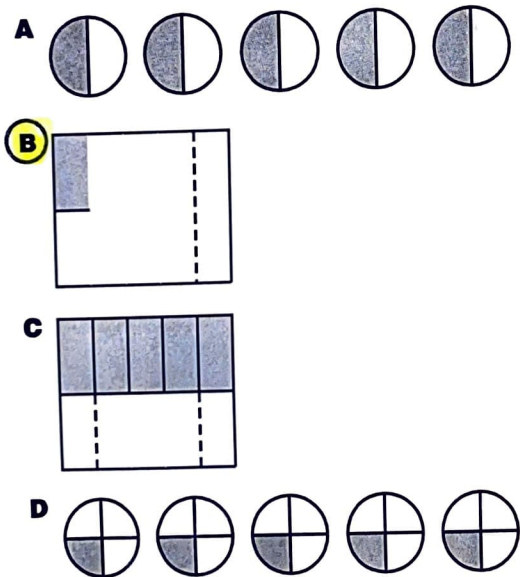
D  $\frac{1}{4} \div 2 = n$

GO ON

5. Sebastian has 4 pounds of nuts. He wants to put the nuts into bags that each weigh  $\frac{1}{3}$  pound. Which diagram could Sebastian use to find the number of bags of nuts he can make?



6. Camilia has  $\frac{1}{2}$  pound of raisins that she will divide evenly into 5 bags. Which diagram can Camilia use to find the fractional portion of a pound that will be in each bag?



7. Evan made 2 pieces of toast and cut each one into thirds. How many  $\frac{1}{3}$ -toast pieces did Evan have?

A  $\frac{2}{3}$

B  $1\frac{1}{2}$

C  $2\frac{1}{3}$

D 6

8. Which story can be represented by  $8 \div \frac{1}{2}$ ?

A Paige has a piece of yarn that is 8 yards long. She cuts it into 2 pieces. How many yards long is each piece of yarn?

B Paige has a piece of yarn that is 8 yards long. She cuts it into pieces that are  $\frac{1}{2}$  yard long. How many pieces of yarn does Paige have?

C Paige has a piece of yarn that is  $\frac{1}{2}$  yard long. She cuts it into 8 pieces each the same length. How many yards long is each piece of yarn?

D Paige has 8 pieces of yarn. Each piece is  $\frac{1}{2}$  yard long. How many yards of yarn does Paige have in all?



9. Tamira solved  $\frac{1}{3} \div 9$  by using a related multiplication expression. Which multiplication expression did she solve?

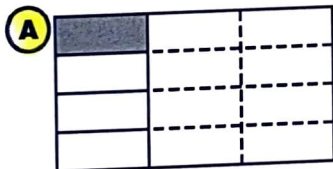
A  $3 \times 9$

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

**C**  $\frac{1}{3} \times \frac{1}{9}$

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

10. Aya made a pan of brownies for the bake sale. After the bake sale,  $\frac{1}{3}$  of the pan of brownies was left over. Aya and three friends will share the leftover brownies equally. Which diagram could they use to find the fractional part of Aya's pan of brownies that each friend will get?



11. Nine friends share 3 pumpkin pies equally. What fraction of a pumpkin pie does each friend get?

A  $\frac{1}{9}$

B  $\frac{1}{6}$

**C**  $\frac{1}{3}$

D  $\frac{1}{2}$

12. Which story can be represented by  $4 \div \frac{1}{3}$ ?

**A** Bill bought 4 pounds of cheese. He made grilled cheese sandwiches and used  $\frac{1}{3}$  pound of cheese in each sandwich. How many sandwiches did Bill make?

**B** Bill made 4 grilled cheese sandwiches. He put  $\frac{1}{3}$  pound of cheese in each sandwich. How many pounds of cheese did Bill use?

**C** Bill bought  $\frac{1}{3}$  pound of cheese. He made 4 grilled cheese sandwiches. How many pounds of cheese did Bill use in each sandwich?

**D** Bill bought 4 pounds of cheese. He used  $\frac{1}{3}$  pound to make a grilled cheese sandwich. How many pounds of cheese does Bill have left?



Write the correct answer.

13. Jesse is making a cake that calls for 3 cups of flour. He only has a  $\frac{1}{4}$ -cup measuring cup. How many times will Jesse need to fill the  $\frac{1}{4}$ -cup measuring cup to get the 3 cups of flour?

12

14. Courtney picked 7 quarts of blueberries. She wants to share them equally among 3 of her neighbors. What fractional part of the blueberries that Courtney picked will each neighbor get?

$2\frac{1}{3}$  quarts or  $\frac{7}{3}$  quarts

15. Dwayne solved  $6 \div \frac{1}{5}$  by using a related multiplication expression. What is a related multiplication expression for  $6 \div \frac{1}{5}$ ?


$6 \times 5 = 30$

or  $6 \times \frac{5}{1} = \frac{30}{1} = 30$

16. Erin bought 12 yards of lanyard. She cut the lanyard into  $\frac{1}{2}$ -yard pieces. Write an equation that represents the number of pieces of lanyard,  $n$ , that Erin has now.

$12 \div \frac{1}{2} = n$

$12 \div \frac{1}{2} = 24$

GO ON 

17. Sandy picked 9 pounds of tomatoes. She wants to share the tomatoes equally among 4 of her neighbors. How many pounds of tomatoes will each neighbor get?

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$$2\frac{1}{4} \text{ pounds or } \frac{9}{4} \text{ pounds}$$

18. Landon and Colin bought  $\frac{1}{2}$  pound of peanuts. They are sharing the nuts equally. How many pounds of peanuts will each person get?

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$$\frac{1}{4} \text{ pound}$$

19. Twelve pounds of beans are distributed equally into 8 bags to give out at the food bank. How many pounds of beans are in each bag?

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$$1\frac{1}{2} \text{ pounds}$$

20. Joshua poured  $\frac{1}{4}$  gallon of water into a watering pot. He poured the same amount of water into 3 plants. Write an equation that represents the fractional part of a gallon of water,  $n$ , Joshua poured into each plant.

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

or

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

21. Lily made 3 pounds of cole slaw for a picnic. Each serving of cole slaw is  $\frac{1}{8}$  pound. How many  $\frac{1}{8}$ -pound servings of cole slaw are there?

**24 servings**

22. Jonah has a piece of string that is 100 inches long. He cuts the string into 6 pieces that are each the same length. How many inches long is each piece?

**$16\frac{2}{3}$  inches**

23. Yung sliced 5 potatoes for a stew. He sliced each potato into fourths. Write an equation that represents the number of pieces of potatoes,  $n$ , that he put in the stew.

$$5 \div \frac{1}{4} = n$$

or  $5 \div \frac{1}{4} = 20$

24. How many minutes would it take Sheryl to walk 2 miles if she walks  $\frac{1}{20}$  mile every minute?

**40 minutes**

25. A builder has an 8-acre plot divided into  $\frac{1}{4}$ -acre home sites. How many  $\frac{1}{4}$ -acre home sites are there?

**32 home sites**

GO ON 