## Name:

1. Which expression could be used to solve the following problem?

A group of 5 friends were having lunch together. Each of them brought  $\frac{1}{2}$  of a sandwich to eat. How many sandwiches do they have altogether?

A. 
$$\frac{1}{2} \div \frac{5}{7}$$
  
B.  $\frac{5 \cdot 1}{1 \cdot 2}$   
C.  $\frac{5}{1} \div \frac{1}{2}$   
D.  $\frac{1 \cdot 1}{5 \cdot 2}$ 

2. Which expression could be used to solve the following problem?

Kim is cutting ribbon to make bows. Each bow requires  $\frac{1}{4}$  yd of ribbon. If Kim has  $3\frac{1}{2}$  yd of ribbon, how many bows can she make?

 A.  $\frac{7}{2} \div \frac{1}{4}$  B.  $\frac{1}{4} \div 3\frac{1}{2}$  

 C.  $\frac{7}{2} \cdot \frac{1}{4}$  D.  $\frac{1}{4} \cdot 3\frac{1}{2}$ 

- 3. What mathematical term could describe the quotient that would result from  $9\frac{5}{7} \div 2\frac{3}{5}$ ?
  - A. < 1, improper fraction
  - B. > 1, improper fraction
  - C. < 1, proper fraction
  - D. > 1, proper fraction

## Date:

- 4. To divide  $\frac{5}{6}$  by  $\frac{1}{3}$  you would:
  - A. multiply,  $\frac{5}{6} \cdot \frac{1}{3}$  B. multiply,  $\frac{5}{6} \cdot \frac{3}{1}$
  - C. multiply,  $\frac{6}{5} \cdot \frac{1}{3}$  D. multiply,  $\frac{6}{5} \cdot \frac{3}{1}$

- 5. To divide  $\frac{3}{8}$  by  $\frac{1}{2}$  you would:
  - A. multiply,  $\frac{1}{2} \cdot \frac{3}{8}$  B. multiply,  $\frac{3}{8} \cdot \frac{2}{1}$
  - C. multiply,  $\frac{1}{2} \cdot \frac{8}{3}$  D. multiply,  $\frac{8}{3} \cdot \frac{2}{1}$

- 6. What is the length of one side of an equilateral triangle that has a perimeter of  $15\frac{3}{4}$  feet?
  - A.  $3\frac{1}{3}$  feet B.  $5\frac{1}{4}$  feet
  - C.  $7\frac{1}{2}$  feet D.  $47\frac{1}{4}$  feet

- 7. The perimeter of an equilateral triangle is  $19\frac{1}{2}$  feet. What is the length of one of the sides of the triangle?
  - A. 5 feet B.  $6\frac{1}{2}$  feet
  - C. 15 feet D. 42.25 square feet

8. There is  $\frac{4}{7}$  foot of ribbon. If the ribbon needs to be cut into pieces that are  $\frac{1}{6}$  foot long, how many pieces of ribbon can be cut?

A.  $\frac{2}{21}$  B.  $1\frac{3}{7}$  C.  $3\frac{3}{7}$  D.  $1\frac{1}{4}$ 

- 9. At a hardware store, there is  $\frac{6}{7}$  foot of plastic piping. If the piping needs to be cut into pieces that are  $\frac{1}{3}$  foot long, how many pieces of piping can be cut?
  - A.  $\frac{7}{10}$  B.  $2\frac{4}{7}$  C.  $1\frac{2}{7}$  D.  $\frac{6}{10}$

- 10. A candy store has  $\frac{5}{8}$  pound of peppermint candy to be put into bags for sale. Each bag must contain  $\frac{1}{3}$  pound of peppermint candy. How many bags can be filled?
  - A.  $\frac{5}{24}$  B.  $1\frac{7}{8}$  C.  $2\frac{1}{8}$  D.  $\frac{3}{4}$

- 11. Ms. Casey has  $\frac{3}{8}$  pound of butter. She needs  $\frac{1}{4}$  pound of butter for each batch of fudge. How many batches of fudge can she make with the butter she has?
  - A.  $\frac{7}{8}$  B.  $1\frac{1}{2}$  C.  $2\frac{1}{2}$  D.  $\frac{3}{32}$

12. Mr. Jackson has 54 feet of twine. He needs to cut the twine into  $1\frac{1}{2}$  foot lengths. How many pieces of twine can be cut?

A. 18 B. 27 C. 36 D.  $55\frac{1}{2}$ 

13. A bakery has 36 cups of dry cake mix. To bake one cake,  $2\frac{1}{4}$  cups cake mix are needed. How many cakes can be baked?

A. 1 B. 4 C. 16 D. 20

- 14. There are 72 bushes in a hedge. Each bush is  $2\frac{1}{3}$  feet wide. What is the total width of the hedge?
  - A. 24 feet B. 65 feet
  - C.  $74\frac{1}{3}$  feet D. 168 feet

- 15. There are 84 boxes of chocolates. Each box weighs  $1\frac{1}{2}$  pounds. How many pounds of chocolates are there in all?
  - A. 42 pounds B.  $85\frac{1}{2}$  pounds
  - C. 126 pounds D. 168 pounds

- 16. Miguel rode his bike  $82\frac{2}{3}$  miles during a 7-day period. Approximately how many miles did he average per day?
  - A. 10 mi B. 12 mi C. 13 mi D. 14 mi

- 17. During a 9-day vacation, Millie rode her horse a total of  $138\frac{3}{4}$  miles. Approximately how many miles did she ride per day?
  - A. 12 mi B. 15 mi C. 17 mi D. 18 mi

18. A woman buys a 6 cup bag of flour at the store. If a batch of cookies requires  $1\frac{1}{2}$  cups of flour, how many batches can she make from this bag?

A. 2 B. 4 C. 8 D. 10

- 19. A square has a perimeter of  $38\frac{1}{2}$  feet. What is the length of a side?
  - $A. \quad 9\frac{1}{4}\,ft \qquad B. \quad 9\frac{1}{3}\,ft \qquad C. \quad 9\frac{1}{2}\,ft \qquad D. \quad 9\frac{5}{8}\,ft$

20. A square has a perimeter of  $20\frac{1}{2}$  feet. What is the length of a side?

A.  $5\frac{1}{8}$  ft B.  $5\frac{1}{4}$  ft C.  $5\frac{1}{3}$  ft D.  $5\frac{1}{2}$  ft

21. A recipe calls for  $\frac{3}{4}$  cup sugar. If the recipe is divided by 3, how much sugar is needed?

A.	4 cups	В.	$\frac{1}{2}$ cup
C.	$\frac{1}{3}$ cup	D.	$\frac{1}{4}$ cup

22. It took a road crew  $\frac{5}{6}$  of an hour to dig a trench. If 5 crew members took turns digging, for what fraction of an hour did each crew member dig?

A.  $\frac{1}{6}$  hr B.  $\frac{1}{5}$  hr C. 5 hr D. 6 hr

23. Tarian was about  $\frac{3}{8}$  of the way through a bag of popcorn when he decided to split the rest with a friend. About how much of the bag of popcorn did Tarian's friend get?

A. 
$$\frac{1}{2}$$
 B.  $\frac{1}{3}$  C.  $\frac{1}{4}$  D.  $\frac{10}{8}$ 

24. Mario was about  $\frac{2}{5}$  of the way through a bag of peanuts when he decided to split the rest with a friend. About how much of the bag of peanuts did Mario's friend get?

A. 
$$\frac{7}{10}$$
 B.  $\frac{1}{7}$  C.  $\frac{6}{5}$  D.  $\frac{1}{3}$ 

- 25. A carpenter bought 80 feet of lumber. He cut it into  $\frac{4}{5}$  foot long pieces. How many pieces of lumber did he cut?
  - A. 64 B. 80 C. 100 D. 400

- 26. A factory uses 60 yards of leather to make purse straps. Each purse strap is  $\frac{2}{3}$  yard long. How many purse straps can the factory make?
  - A. 60 B. 30 C. 90 D. 40

- 27. The Gift Wrap department of a store wraps packages of different sizes. For a medium-sized package,  $\frac{3}{4}$  yard of ribbon is needed. How much ribbon is used to wrap 16 medium-sized packages?
  - A. 16 yards B. 32 yards
  - C. 12 yards D. 9 yards

28. A restaurant makes combread. For each batch of combread,  $\frac{3}{4}$  cup sugar is needed. How many cups of sugar are needed for 28 batches of combread?

A.	84 cups	В.	112 cups
C.	21 cups	D.	14 cups

29. The Chan family planted a vegetable garden on  $\frac{1}{3}$  of one acre of land. They divided the garden into 4 equal sections. They planted the 4 equal sections with turnips, peas, carrots, and corn. Which model represents the fractional part of an acre the Chan family planted with peas?



30. Jennifer was given  $\frac{3}{4}$  of one acre of land for a park. She divided the land into 3 equal sections. She used the 3 equal sections for a playground, a picnic area, and a pond. Which model represents the fractional part of an acre Jennifer used for a playground?



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Dividing Fractions Review 3/16/2018

1. Answer: Objective:	B 6.NS.1	15. Answer: Objective:	C 6.NS.1
2. Answer: Objective:	A 6.NS.1	16. Answer: Objective:	B 6.NS.1
3. Answer: Objective:	B 6.NS.1	17. Answer: Objective:	B 6.NS.1
4. Answer: Objective:	B 6.NS.1	18. Answer: Objective:	B 6.NS.1
5. Answer: Objective:	B 6.NS.1	19. Answer: Objective:	D 6.NS.1
6. Answer: Objective:	B 6.NS.1	20. Answer: Objective:	A 6.NS.1
7. Answer: Objective:	B 6.NS.1	21. Answer: Objective:	D 6.NS.1
8. Answer: Objective:	C 6.NS.1	22. Answer: Objective:	A 6.NS.1
9. Answer: Objective:	B 6.NS.1	23. Answer: Objective:	B 6.NS.1
10. Answer: Objective:	B 6.NS.1	24. Answer: Objective:	D 6.NS.1
11. Answer: Objective:	B 6.NS.1	25. Answer: Objective:	C 6.NS.1
12. Answer: Objective:	C 6.NS.1	26. Answer: Objective:	C 6 NS 1
13. Answer: Objective:	C 6.NS.1	27. Answer:	C 6 NS 1
14. Answer: Objective:	D 6.NS.1		0.110.1

28.	
Answer:	С
Objective:	6.NS.1
29.	
Answer:	D
Objective:	6.NS.1
30.	
Answer:	С
Objective:	6.NS.1