1. A 6-mile walking trail has a distance marker every $\frac{1}{3}$ mile. How many markers are along the trail?

There are _____ markers along the trail.

2. For numbers 2a–2e, select True or False for each equation.

2a. $\frac{1}{6} \div 2 = 12$ ○ True ○ False

2b. $5 \div \frac{1}{4} = \frac{1}{20}$ ○ True ○ False

2c. $\frac{1}{3} \div 8 = \frac{1}{24}$ ○ True ○ False

2d. $\frac{1}{8} \div 5 = 40$ ○ True ○ False

2e. $4 \div \frac{1}{7} = 28$ ○ True ○ False

3. Ten pounds of rice are distributed equally into 6 bags to give out at the food bank. How many pounds of rice are in each bag?

_____ pounds

4. Eric has 4 pieces of clay. He cut each piece of clay into thirds. How many $\frac{1}{3}$-size pieces of clay does Eric have? Draw lines in the model to find the answer.

Eric has _____ $\frac{1}{3}$-size pieces of clay.

5. Four friends share 3 apples equally. What fraction of an apple does each friend get?

GO ON

6. Tammy, Marci, and Wesley bought $\frac{1}{2}$ pound of raspberries. They are sharing the raspberries equally. Each person will receive _____ pound of raspberries.

7. Choose the numbers to create a story problem that represents $3 \div \frac{1}{4}$.

Rob bought [$\frac{1}{3}$ / $\frac{1}{4}$ / 3] pounds of roast beef.

He made sandwiches for a picnic and used [4 / $\frac{1}{4}$ / $\frac{1}{3}$] pound of roast beef in each sandwich.

Rob made 12 sandwiches.

8. Ruslan reads $\frac{1}{3}$ of a book every day. Victoria reads $\frac{1}{4}$ of a book every day.

Part A

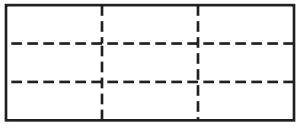
Ruslan needs to read 4 books for class. How long would it take Ruslan to read 4 books?

Part B

How much longer would it take Victoria than Ruslan to read 10 books? Explain how you found your answer.

GO ON

9. Cecila has $\frac{1}{3}$ pound of trail mix that she will divide equally into 3 bags. Shade the diagram to show the fractional part of a pound that will be in each bag.



10. Mrs. Reid wrote the following problem on the whiteboard:

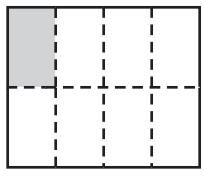
Tom and Michele shared $\frac{1}{4}$ pound of grapes equally. What fractional part of a pound did each person receive?

Part A

Christina wrote the following equation to solve the problem: $2 \div \frac{1}{4} = n$. Do you agree with Christina's equation? Support your answer with information from the problem.

Part B

Ryan drew this diagram to solve the problem. Can Ryan use his diagram to find the fractional part of a pound of grapes that each person received? Support your answer with information from the problem.



GO ON

11. Divide. Draw a number line to show your work.

$2 \div \frac{1}{5} = \square$

12. Terry picked 7 pounds of strawberries. She wants to share the strawberries equally among 3 of her neighbors. How many pounds of strawberries will each neighbor receive? Use the numbers on the tiles to complete the number sentence. You may use a number more than once or not at all.

1	2	3
4	6	7

$\square \div \square = \frac{\square}{\square} = \square\frac{\square}{\square}$

13. Aidan buys one package each of 2-pound, 3-pound, and 4-pound packages of ground turkey to make turkey burgers.

Part A

How many $\frac{1}{3}$-pound turkey burgers can he make? Show your work using words, pictures, or numbers.

14. Annette has $\frac{1}{4}$ yard of fabric. She cuts it into 3 equal pieces. Each piece of fabric is _____ yard.

GO ON

15. Twelve friends share 4 bread rolls equally. What fraction of a bread roll does each friend get?

Each friend will get _____ of a bread roll.

16. Ben is making bread that calls for 5 cups of flour. His measuring cup only holds $\frac{1}{2}$ cup. How many times will Ben need to fill the measuring cup to get the 5 cups of flour?

17. Tina has $\frac{1}{2}$ quart of iced tea. She pours the same amount into each of 3 glasses. Which equation represents the fraction of a quart of iced tea that is in each glass? Mark all that apply.

Ⓐ $\frac{1}{2} \div \frac{1}{3} = n$

Ⓑ $2 \div 3 = n$

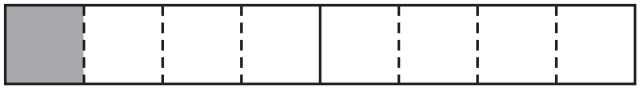
Ⓒ $2 \div \frac{1}{3} = n$

Ⓓ $\frac{1}{2} \times \frac{1}{3} = n$

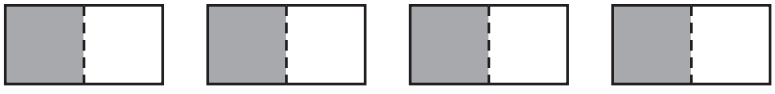
Ⓔ $2 \times \frac{1}{3} = n$

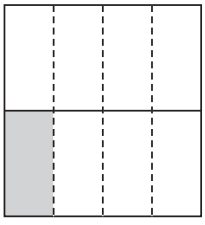
Ⓕ $\frac{1}{2} \div 3 = n$

18. Kyle made a loaf of banana bread. He gave equal portions of $\frac{1}{2}$ of the loaf to 4 friends. Which diagram could Kyle use to find the fraction of the loaf that each friend received? Mark all that apply.

Ⓐ 

Ⓑ 

Ⓒ 

Ⓓ 

GO ON

19. Your teacher gives you the problem $5 \div \frac{1}{4}$.

Part A

Draw a diagram to represent $5 \div \frac{1}{4}$.

Part B

Write a story problem to represent $5 \div \frac{1}{4}$.

Part C

Use a related multiplication expression to solve your story problem. Show your work.

20. Five brothers picked 5 pounds of apples. Two of the brothers will share 3 pounds of apples equally and the other 3 brothers will share 2 pounds of the apples equally. In which group does each brother get a greater amount of apples? Explain your reasoning.