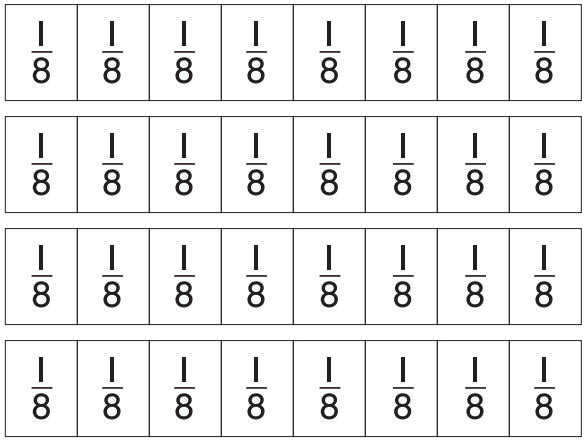
1. What are the next four multiples of $\frac{1}{7}$?

2. Sarah is making 4 batches of granola bars. She adds $\frac{7}{8}$ cup peanuts to each batch. Her measuring cup holds $\frac{1}{8}$ cup. How many times must Sarah measure $\frac{1}{8}$ cup of peanuts to have enough for the granola bars? Shade the models to show your answer.



Sarah must measure $\frac{1}{8}$ cup _____ times.

3. Alice walks $\frac{6}{10}$ mile every day. How many miles does she walk in 5 days?

_____ miles

GO ON

4. Hannah is baking 3 batches of health bars. She needs $1\frac{2}{3}$ cups of carob chips for each batch of bars.

Part A

Hannah completed the multiplication below and said she needed 6 cups of carob chips for 3 batches of bars. What is Hannah's error?

$$3 \times 1\frac{2}{3} = 3 \times \frac{6}{3} = \frac{18}{3} = 6$$

Part B

What is the correct number of cups Hannah needs for 3 batches of bars? Explain how you found your answer.

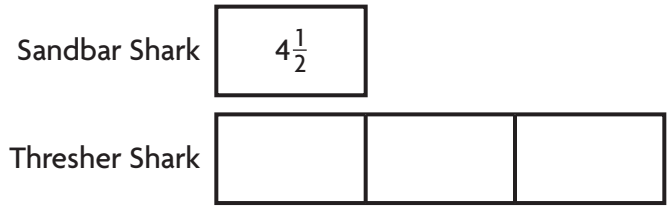
5. Which fraction is a multiple of $\frac{1}{8}$? Mark all that apply.

Ⓐ $\frac{3}{8}$ Ⓒ $\frac{2}{8}$ Ⓔ $\frac{8}{10}$

Ⓑ $\frac{8}{12}$ Ⓓ $\frac{4}{8}$ Ⓕ $\frac{8}{8}$

6. Bo recorded a basketball game that lasted $2\frac{1}{2}$ hours. Bo watched the game 4 times last week. How many hours did Bo spend watching the game? Show your work.

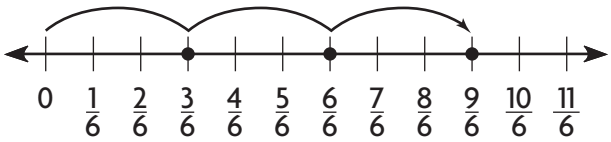
7. Rudi is comparing shark lengths. She reads that a sandbar shark is $4\frac{1}{2}$ feet long. A thresher shark is 3 times as long as a sandbar shark. Complete the model. Then find the length of a thresher shark.



A thresher shark is _____ feet long.

GO ON

8. Phil made a number line showing the multiples of $\frac{3}{6}$.



The product $2 \times \frac{3}{6}$ is shown by the fraction _____ on the number line.

9. Tara has softball practice Tuesday, Wednesday, Thursday, and Sunday. Each practice is $1\frac{1}{3}$ hours. Tara says she will have practice for 3 hours this week.

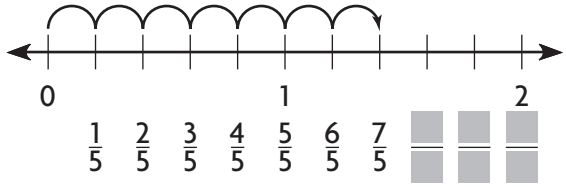
Part A

Without multiplying, explain how you know Tara is incorrect.

Part B

How long will Tara have softball practice this week? Write your answer as a mixed number. Show your work.

10. Look at the number line. Write the missing fractions.



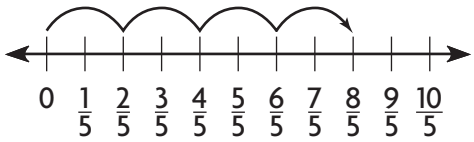
11. Trevor's pet goat weighed $6\frac{3}{8}$ pounds when it was born. By age 3, the goat weighed 8 times as much. Fill each box with a number or symbol from the list to show how to find the weight of Trevor's goat at age 3. Not all numbers and symbols may be used.

weight = ☐ ☐ ☐

$8\frac{3}{8}$	8	3
$6\frac{3}{8}$	+	×

GO ON

12. Oleg made a fraction number line to help him find $4 \times \frac{2}{5}$.



Select a way to write $4 \times \frac{2}{5}$ as the product of a whole number and a unit fraction.

$4 \times \frac{2}{5} =$ ☐

- $6 \times \frac{1}{5}$
- $2 \times \frac{4}{5}$
- $8 \times \frac{1}{5}$

13. Malik wanted to give $\frac{1}{5}$ of his bag of balloons to each of 3 of his friends. How many of his balloons will he give away?

☐

14. Select the correct product for the equation.

$\frac{8}{12}$	$\frac{48}{8}$	$\frac{12}{8}$	$\frac{24}{8}$

$4 \times \frac{6}{8} =$ ☐ $4 \times \frac{3}{8} =$ ☐

GO ON

15. The lengths of different types of snakes at a zoo are shown in the table.

Snake's Name	Type of Snake	Length
Sherman	Kenyan Sand Boa	$1\frac{1}{4}$ feet
Thomas	Ball Python	$3\frac{3}{4}$ feet
Sam	Blood Python	$6\frac{1}{4}$ feet

For numbers 15a–15d, select True or False for the statement.

15a. Thomas is 3 times as long as Sherman. ○ True ○ False

15b. Thomas is 2 times as long as Sherman. ○ True ○ False

15c. Sam is 5 times as long as Sherman. ○ True ○ False

15d. Sam is 2 times as long as Thomas. ○ True ○ False

16. Violet used $1\frac{3}{4}$ gallons of paint on her kitchen walls. She used 4 times as much paint for her living room and bedroom walls. How much paint did Violet use for the living room and bedroom walls?

_____ gallons

17. Maddie made a batch of popcorn balls. She used $1\frac{1}{4}$ cups of raisins. She used 5 times as much popcorn.

Part A

Draw a model to show the problem.

Part B

Use your model to write an equation. Then solve the equation to find the amount of popcorn Maddie needs.

GO ON

18. Mrs. McGlashan is making paint for her class. She needs $\frac{3}{4}$ cup of warm water for each batch.

Part A

Mrs. McGlashan has a 1-cup measure that has no other markings. Can she make 8 batches of paint using only the 1-cup measure? Describe two ways you can find the answer.

Part B

The paint recipe also calls for $\frac{1}{4}$ cup of food coloring. Tyler says Mrs. McGlashan will also need 6 cups of food coloring. Do you agree or disagree? Explain.

19. Sandi buys some fabric to make a quilt. She needs $\frac{1}{6}$ yard of each type of fabric. She has 7 different types of fabrics to make her design. Use the following equation. Write the number in the box to make the statement true.

$\frac{7}{6} = \square \times \frac{1}{6}$

20. Mrs. Tokala uses $\frac{9}{10}$ of a can of coffee beans each week. How many cans of coffee beans does Mrs. Tokala use in 6 weeks? Write your answer two different ways.

Mrs. Tokala uses _____ or _____ cans of coffee beans.

21. Alma is making 3 batches of tortillas. Each batch needs $\frac{3}{4}$ cup of water. She only has a $\frac{1}{4}$-cup measure. How many times must Alma measure $\frac{1}{4}$ cup of water to have enough for all of the tortillas?

_____ times

STOP