

1. Frank and Dwayne weed their gardens that are the same size. Frank's garden is divided into 6 equal sections. Dwayne's garden is divided into 4 equal sections. Each boy has weeded 2 sections of his garden.

Write a fraction to describe what part of his garden each boy has weeded. Then tell who weeded a larger area. Explain.

2. Eli, Beth, and Cory are reading the same book for class. Eli read $\frac{3}{4}$ of his book. Beth read $\frac{3}{8}$ of her book and Cory read $\frac{3}{6}$ of his book.

For 2a–2d, choose Yes or No to indicate whether the comparisons are correct.

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|---------------------------------|---------------------------|--------------------------|
| 2a. $\frac{3}{4} > \frac{3}{8}$ | <input type="radio"/> Yes | <input type="radio"/> No |
| 2b. $\frac{3}{6} < \frac{3}{8}$ | <input type="radio"/> Yes | <input type="radio"/> No |
| 2c. $\frac{3}{8} = \frac{3}{6}$ | <input type="radio"/> Yes | <input type="radio"/> No |
| 2d. $\frac{3}{6} < \frac{3}{4}$ | <input type="radio"/> Yes | <input type="radio"/> No |

3. Mark and Lisa are on the swim team. Mark swims $\frac{3}{8}$ mile each day. Lisa swims $\frac{5}{8}$ mile each day. Which statement is correct? Mark all that apply.

- ☐ A Mark swims farther than Lisa each day.
- ☐ B Lisa swims the same distance as Mark each day.
- ☐ C Lisa swims less than 1 mile each day.
- ☐ D Lisa swims farther than Mark each day.

4. MacKenzie and Cassie used fabric to make costumes for a play. MacKenzie used $\frac{3}{4}$ yard of fabric and Cassie used $\frac{5}{6}$ yard. Who used more fabric? Explain the strategy you used to solve the problem.

5. The soccer team practices passing for $\frac{3}{4}$ hour and shooting for $\frac{4}{5}$ hour. On which drill does the team spend less time? Explain how you can use the model to find the answer.

$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	
$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$

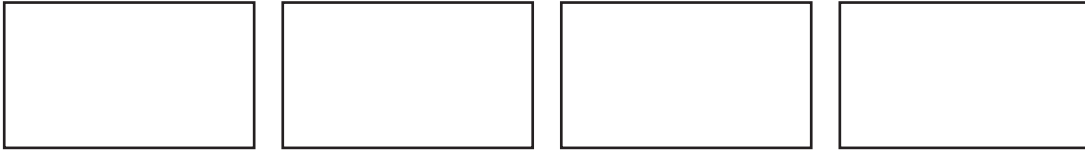
6. Andrew bought $\frac{7}{8}$ pound of mixed nuts. Margaret bought $\frac{5}{8}$ pound of mixed nuts.

Use the fractions and symbols to show which amount is greater.

$\frac{5}{8}$	$\frac{7}{8}$	$<$	$>$
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7. Mr. Worth opened new jars of 4 different colors of paint for an art project. All of the jars were the same size.

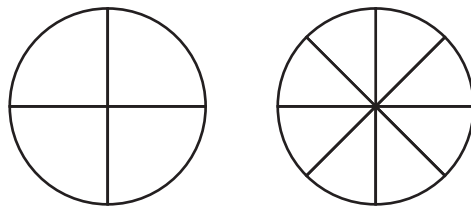
**Part A**

Draw lines to show how Mr. Worth could divide one jar of paint into halves, one into thirds, one into fourths, and one into sixths.

Part B

Students in his class used an equivalent amount of two paint colors. Use the models to show the amount of paints used. Write two pairs of equivalent fractions to represent the models.

8. Dalton rode his skateboard for $\frac{3}{4}$ mile. Amelia rode her skateboard for an equal distance. What is an equivalent fraction that describes how far Amelia rode? Use the models to show your work.



9. Mr. Barrows opens 2 packs of paper. He puts $\frac{2}{5}$ of a pack in one pile and $\frac{3}{5}$ of a pack in another pile. Which pile has more paper? Show your work.
- _____

10. Treyvon watched $\frac{2}{8}$ a movie. Juan watched $\frac{2}{6}$ of the same movie. Use $>$, $=$, or $<$ to compare the parts that they watched.
- _____

11. Alison used $\frac{7}{8}$ quart of orange juice and $\frac{3}{8}$ quart of cranberry juice to make some punch.

For 11a–11d, select True or False for each comparison.

- | | | |
|----------------------------------|----------------------------|-----------------------------|
| 11a. $\frac{7}{8} < \frac{3}{8}$ | <input type="radio"/> True | <input type="radio"/> False |
| 11b. $\frac{7}{8} > \frac{3}{8}$ | <input type="radio"/> True | <input type="radio"/> False |
| 11c. $\frac{3}{8} < \frac{7}{8}$ | <input type="radio"/> True | <input type="radio"/> False |
| 11d. $\frac{3}{8} = \frac{7}{8}$ | <input type="radio"/> True | <input type="radio"/> False |

12. Will, Ann, and Jim are working on their science fair projects. Will has finished $\frac{1}{4}$ of his project. Ann has finished $\frac{3}{4}$ of her project, and Jim has finished $\frac{2}{3}$ of his project.

Part A

Who has finished less of their project, Will or Ann?
Explain how you know.

Part B

Who has finished less of their project, Ann or Jim?
Explain how you know.

13. Sarah needs $\frac{4}{6}$ yard of ribbon to wrap a gift. She has 6 pieces of ribbon with the following lengths. She can cut the piece if it is too long. Mark all of the pieces of ribbon that Sarah could use.

- (A) $\frac{1}{2}$ yard (D) $\frac{4}{4}$ yard
(B) $\frac{6}{6}$ yard (E) $\frac{1}{3}$ yard
(C) $\frac{3}{8}$ yard (F) $\frac{5}{6}$ yard

14. There are 8 people having breakfast. Each person wants $\frac{1}{2}$ of an omelet. How many whole omelets are needed? Use the models to show your answer.



_____ omelets

15. Michele mixed $\frac{3}{4}$ cup of flour with $\frac{1}{2}$ cup of water to make paste for an art project. Compare the fractions. Choose the symbol that makes the statement true.

$\frac{3}{4}$	$<$	$\frac{1}{2}$
	$=$	
	$>$	

16. Jeff has three boxes that weigh $\frac{5}{8}$, $\frac{1}{8}$, and $\frac{3}{8}$ pound. Write the weights in order from least to greatest.

17. Ben measures the lengths of three insects. Draw a line to match each length on the left to the word on the right that describes its place in the order of lengths.

 $\frac{3}{4}$ inch •

• least

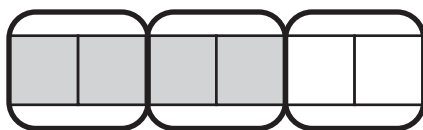
 $\frac{3}{8}$ inch •

• between

 $\frac{3}{6}$ inch •

• greatest

18. Kerri drew a model to show equivalent fractions.

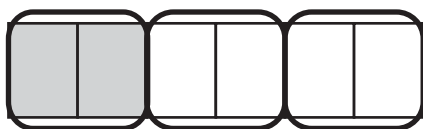


Use the model to complete the number sentence.

$$\frac{2}{3} = \underline{\hspace{2cm}}$$

19. Elaine brought $\frac{3}{4}$ pound of potato salad to a picnic. Jake brought $\frac{2}{3}$ pound of macaroni salad. Who brought more salad? Explain the strategy you used to solve the problem.

20. It took Mike $\frac{2}{6}$ hour to clean his room.



What fraction is equivalent to $\frac{2}{6}$?

