



Compare Fractions Using Benchmarks

- 1** **(MP) Reason** Tina started a project with two 1-gallon cans of paint. One can is now $\frac{4}{10}$ full, and the other can is $\frac{5}{8}$ full. Which can is less than $\frac{1}{2}$ full?
- _____

- 2** **(MP) Model with Mathematics** Jax uses this recipe to make muffins. Does he use more baking soda or vanilla flavoring? Use comparison symbols to explain.
- _____
- _____
- _____

| Muffin Recipe | |
|----------------|------------------------|
| Flour | $\frac{3}{4}$ cup |
| Sugar | $\frac{1}{2}$ cup |
| Baking Soda | $\frac{7}{8}$ teaspoon |
| Vanilla Flavor | $\frac{1}{4}$ teaspoon |
| Blueberries | 2 cups |

- 3** **STEM** Herbivores are animals that eat only plants. Carnivores are animals that eat only meat. In general, herbivores sleep less than carnivores. For example, giraffes in the wild sleep about $\frac{1}{6}$ of the day. In contrast, lions in the wild sleep about $\frac{3}{4}$ of the day. Which animal is the herbivore? Use a benchmark fraction to explain your thinking.
- _____
- _____

- 4** **Open Ended** Josh helps at the school fair for $\frac{3}{8}$ of the day. Sarai helps for $\frac{8}{12}$ of the day. Write and solve a comparison question about the amount of time they help at the fair.
- _____
- _____

Write $>$ or $<$ for the comparison.

5 $\frac{5}{12}$ ☐ $\frac{6}{8}$

6 $\frac{4}{6}$ ☐ $\frac{2}{5}$

7 $\frac{7}{10}$ ☐ $\frac{4}{3}$

Test Prep

- 8** Maura is using the benchmark $\frac{1}{2}$ to compare fractions. Select $>$ or $<$ to complete a true comparison for each pair of fractions.

| | $>$ | $<$ |
|---------------------------------------|--------------------------|--------------------------|
| $\frac{3}{5} \bigcirc \frac{2}{10}$ | <input type="checkbox"/> | <input type="checkbox"/> |
| $\frac{3}{8} \bigcirc \frac{5}{6}$ | <input type="checkbox"/> | <input type="checkbox"/> |
| $\frac{13}{8} \bigcirc \frac{14}{10}$ | <input type="checkbox"/> | <input type="checkbox"/> |

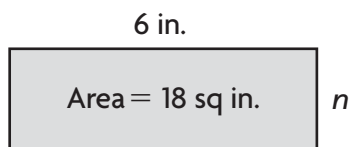
- 9** Sal makes a pizza. He puts peppers on $\frac{3}{5}$ of the pizza and mushrooms on $\frac{1}{3}$ of the pizza. Which statement about the pizza is true?
- (A) $\frac{3}{5} > \frac{1}{3}$, so more of the pizza is covered with peppers.
- (B) $\frac{1}{3} > \frac{3}{5}$, so more of the pizza is covered with mushrooms.
- (C) $\frac{1}{3} = \frac{3}{5}$, so the same amount of the pizza is covered with each.
- (D) $\frac{3}{5} < \frac{1}{3}$, so less of the pizza is covered with peppers.

- 10** Write $>$ or $<$ to compare.

$$1\frac{4}{10} \bigcirc 1\frac{7}{12}$$

Spiral Review

- 11** Use the area or perimeter formula to find the unknown measure of the rectangle.



$$n = \underline{\hspace{2cm}}$$

- 12** Mrs. Perdomo walks for 25 minutes each day. She walks 4 days during the first week, 6 days during the second week, and 5 days during the third week. How many minutes does she walk in the three weeks?

$$\underline{\hspace{4cm}}$$