

Compare fractions with unlike denominators

NAME	DATE	SCORE / 10
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1 Write $\frac{2}{3}$ and $\frac{3}{5}$ over the same denominator. Which fraction is larger, or are the fractions equal?

- ☐ $\frac{10}{15}$ and $\frac{9}{15}$, so $\frac{2}{3}$ is larger
 ☐ $\frac{2}{15}$ and $\frac{3}{15}$, so $\frac{3}{5}$ is larger
☐ $\frac{3}{5}$ is larger, because 3 is more than 2
 ☐ $\frac{14}{15}$ and $\frac{13}{15}$, so $\frac{2}{3}$ is larger

2 Emma ran $\frac{1}{2}$ kilometre. Ben ran $\frac{2}{9}$ kilometre. Write both distances over the same denominator. Who ran farther, or did they run the same distance?

- ☐ Ben ran farther, because 2 is more than 1
 ☐ $\frac{1}{18}$ and $\frac{2}{18}$, so Ben ran farther
☐ $\frac{17}{18}$ and $\frac{11}{18}$, so Emma ran farther
 ☐ $\frac{9}{18}$ and $\frac{4}{18}$, so Emma ran farther

3 Write $\frac{6}{8}$ and $\frac{9}{12}$ over the same denominator. Which fraction is larger, or are the fractions equal?

- ☐ $\frac{6}{24}$ and $\frac{9}{24}$, so $\frac{9}{12}$ is larger
 ☐ $\frac{9}{12}$ is larger, because 9 is more than 6
☐ $\frac{22}{24}$ and $\frac{21}{24}$, so $\frac{6}{8}$ is larger
 ☐ $\frac{18}{24}$ and $\frac{18}{24}$, so the fractions are equal

4

Ana's ribbon is $\frac{7}{9}$ metre long. Leo's ribbon is $\frac{5}{6}$ metre long. Write both lengths over the same denominator. Whose ribbon is longer, or are they the same length?

- ☐ Ana's ribbon is longer, because 7 is more than 5
- ☐ $\frac{7}{18}$ and $\frac{5}{18}$, so Ana's ribbon is longer ☐ $\frac{14}{18}$ and $\frac{15}{18}$, so Leo's ribbon is longer
- ☐ $\frac{16}{18}$ and $\frac{17}{18}$, so Leo's ribbon is longer

5

Write $\frac{2}{7}$ and $\frac{1}{2}$ over the same denominator. Which fraction is larger, or are the fractions equal?

- ☐ $\frac{9}{14}$ and $\frac{13}{14}$, so $\frac{1}{2}$ is larger ☐ $\frac{4}{14}$ and $\frac{7}{14}$, so $\frac{1}{2}$ is larger
- ☐ $\frac{2}{7}$ is larger, because 2 is more than 1 ☐ $\frac{2}{14}$ and $\frac{1}{14}$, so $\frac{2}{7}$ is larger

6

Ben ran $\frac{1}{2}$ kilometre. Cleo ran $\frac{2}{9}$ kilometre. Write both distances over the same denominator. Who ran farther, or did they run the same distance?

- ☐ $\frac{1}{18}$ and $\frac{2}{18}$, so Cleo ran farther ☐ $\frac{17}{18}$ and $\frac{11}{18}$, so Ben ran farther
- ☐ $\frac{9}{18}$ and $\frac{4}{18}$, so Ben ran farther ☐ Cleo ran farther, because 2 is more than 1

7

Write $\frac{4}{5}$ and $\frac{5}{7}$ over the same denominator. Which fraction is larger, or are the fractions equal?

- ☐ $\frac{34}{35}$ and $\frac{33}{35}$, so $\frac{4}{5}$ is larger ☐ $\frac{5}{7}$ is larger, because 5 is more than 4
- ☐ $\frac{28}{35}$ and $\frac{25}{35}$, so $\frac{4}{5}$ is larger ☐ $\frac{4}{35}$ and $\frac{5}{35}$, so $\frac{5}{7}$ is larger

8

Cleo ate $\frac{7}{12}$ of a pizza. Emma ate $\frac{5}{8}$ of a pizza of the same size. Write both amounts over the same denominator. Who ate more pizza, or did they eat the same amount?

- ☐ $\frac{19}{24}$ and $\frac{21}{24}$, so Emma ate more pizza ☐ $\frac{7}{24}$ and $\frac{5}{24}$, so Cleo ate more pizza
☐ $\frac{14}{24}$ and $\frac{15}{24}$, so Emma ate more pizza ☐ Cleo ate more pizza, because 7 is more than 5

9

Write $\frac{2}{3}$ and $\frac{3}{11}$ over the same denominator. Which fraction is larger, or are the fractions equal?

- ☐ $\frac{2}{33}$ and $\frac{3}{33}$, so $\frac{3}{11}$ is larger ☐ $\frac{32}{33}$ and $\frac{25}{33}$, so $\frac{2}{3}$ is larger
☐ $\frac{22}{33}$ and $\frac{9}{33}$, so $\frac{2}{3}$ is larger ☐ $\frac{3}{11}$ is larger, because 3 is more than 2

10

Noah's ribbon is $\frac{5}{7}$ metre long. Dev's ribbon is $\frac{4}{5}$ metre long. Write both lengths over the same denominator. Whose ribbon is longer, or are they the same length?

- ☐ $\frac{5}{35}$ and $\frac{4}{35}$, so Noah's ribbon is longer ☐ $\frac{25}{35}$ and $\frac{28}{35}$, so Dev's ribbon is longer
☐ Noah's ribbon is longer, because 5 is more than 4
☐ $\frac{33}{35}$ and $\frac{34}{35}$, so Dev's ribbon is longer

Compare fractions with unlike denominators

1 $10/15$ and $9/15$, so $2/3$ is larger

3 $18/24$ and $18/24$, so the fractions are equal

5 $4/14$ and $7/14$, so $1/2$ is larger

7 $28/35$ and $25/35$, so $4/5$ is larger

9 $22/33$ and $9/33$, so $2/3$ is larger

2 $9/18$ and $4/18$, so Emma ran farther

4 $14/18$ and $15/18$, so Leo's ribbon is longer

6 $9/18$ and $4/18$, so Ben ran farther

8 $14/24$ and $15/24$, so Emma ate more pizza

10 $25/35$ and $28/35$, so Dev's ribbon is longer