

Compare fractions with unlike denominators

NAME	DATE	SCORE / 10
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1 Write $\frac{3}{4}$ and $\frac{5}{9}$ over the same denominator. Which fraction is larger, or are the fractions equal?

- ☐ $\frac{5}{9}$ is larger, because 5 is more than 3 ☐ $\frac{27}{36}$ and $\frac{20}{36}$, so $\frac{3}{4}$ is larger
☐ $\frac{35}{36}$ and $\frac{32}{36}$, so $\frac{3}{4}$ is larger ☐ $\frac{3}{36}$ and $\frac{5}{36}$, so $\frac{5}{9}$ is larger

2 Emma ate $\frac{3}{7}$ of a pizza. Ivy ate $\frac{2}{3}$ 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?

- ☐ $\frac{3}{21}$ and $\frac{2}{21}$, so Emma ate more pizza ☐ $\frac{17}{21}$ and $\frac{20}{21}$, so Ivy ate more pizza
☐ $\frac{9}{21}$ and $\frac{14}{21}$, so Ivy ate more pizza ☐ Emma ate more pizza, because 3 is more than 2

3 Write $\frac{2}{3}$ and $\frac{8}{12}$ over the same denominator. Which fraction is larger, or are the fractions equal?

- ☐ $\frac{8}{12}$ and $\frac{8}{12}$, so the fractions are equal ☐ $\frac{8}{12}$ is larger, because 8 is more than 2
☐ $\frac{11}{12}$ and $\frac{8}{12}$, so $\frac{2}{3}$ is larger ☐ $\frac{2}{12}$ and $\frac{8}{12}$, so $\frac{8}{12}$ is larger

4 Noah ate $\frac{1}{3}$ of a pizza. Emma ate $\frac{2}{9}$ 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?

- ☐ $\frac{3}{9}$ and $\frac{2}{9}$, so Noah ate more pizza ☐ $\frac{1}{9}$ and $\frac{2}{9}$, so Emma ate more pizza
☐ Emma ate more pizza, because 2 is more than 1 ☐ $\frac{7}{9}$ and $\frac{2}{9}$, so Noah ate more pizza

5

Write $\frac{7}{10}$ and $\frac{5}{6}$ over the same denominator. Which fraction is larger, or are the fractions equal?

- ☐ $\frac{7}{10}$ is larger, because 7 is more than 5 ☐ $\frac{7}{30}$ and $\frac{5}{30}$, so $\frac{7}{10}$ is larger
- ☐ $\frac{27}{30}$ and $\frac{29}{30}$, so $\frac{5}{6}$ is larger ☐ $\frac{21}{30}$ and $\frac{25}{30}$, so $\frac{5}{6}$ is larger

6

Maya ate $\frac{2}{4}$ of a pizza. Ben ate $\frac{1}{2}$ 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?

- ☐ Maya ate more pizza, because 2 is more than 1 ☐ $\frac{2}{4}$ and $\frac{3}{4}$, so Ben ate more pizza
- ☐ $\frac{2}{4}$ and $\frac{2}{4}$, so they ate the same amount ☐ $\frac{2}{4}$ and $\frac{1}{4}$, so Maya ate more pizza

7

Write $\frac{1}{2}$ and $\frac{4}{11}$ over the same denominator. Which fraction is larger, or are the fractions equal?

- ☐ $\frac{11}{22}$ and $\frac{8}{22}$, so $\frac{1}{2}$ is larger ☐ $\frac{1}{22}$ and $\frac{4}{22}$, so $\frac{4}{11}$ is larger
- ☐ $\frac{21}{22}$ and $\frac{15}{22}$, so $\frac{1}{2}$ is larger ☐ $\frac{4}{11}$ is larger, because 4 is more than 1

8

Maya ran $\frac{3}{9}$ kilometre. Ben ran $\frac{1}{3}$ kilometre. Write both distances over the same denominator. Who ran farther, or did they run the same distance?

- ☐ $\frac{3}{9}$ and $\frac{7}{9}$, so Ben ran farther ☐ Maya ran farther, because 3 is more than 1
- ☐ $\frac{3}{9}$ and $\frac{1}{9}$, so Maya ran farther ☐ $\frac{3}{9}$ and $\frac{3}{9}$, so they ran the same distance

9

Write $\frac{5}{8}$ and $\frac{2}{3}$ over the same denominator. Which fraction is larger, or are the fractions equal?

- ☐ $\frac{21}{24}$ and $\frac{23}{24}$, so $\frac{2}{3}$ is larger
 ☐ $\frac{5}{24}$ and $\frac{2}{24}$, so $\frac{5}{8}$ is larger
☐ $\frac{5}{8}$ is larger, because 5 is more than 2
 ☐ $\frac{15}{24}$ and $\frac{16}{24}$, so $\frac{2}{3}$ is larger

10

Cleo's ribbon is $\frac{1}{2}$ metre long. Leo's ribbon is $\frac{2}{11}$ metre long. Write both lengths over the same denominator. Whose ribbon is longer, or are they the same length?

- ☐ Leo's ribbon is longer, because 2 is more than 1
☐ $\frac{1}{22}$ and $\frac{2}{22}$, so Leo's ribbon is longer
 ☐ $\frac{21}{22}$ and $\frac{13}{22}$, so Cleo's ribbon is longer
☐ $\frac{11}{22}$ and $\frac{4}{22}$, so Cleo's ribbon is longer

Compare fractions with unlike denominators

1 $27/36$ and $20/36$, so $3/4$ is larger

3 $8/12$ and $8/12$, so the fractions are equal

5 $21/30$ and $25/30$, so $5/6$ is larger

7 $11/22$ and $8/22$, so $1/2$ is larger

9 $15/24$ and $16/24$, so $2/3$ is larger

2 $9/21$ and $14/21$, so Ivy ate more pizza

4 $3/9$ and $2/9$, so Noah ate more pizza

6 $2/4$ and $2/4$, so they ate the same amount

8 $3/9$ and $3/9$, so they ran the same distance

10 $11/22$ and $4/22$, so Cleo's ribbon is longer