Comparing fractions: explain which is larger

NAME	DATE	SCORE / 6

Choose the answer that is right, and the reason.

1 Write $\frac{1}{3}$ and $\frac{3}{9}$ over the same denominator. Which fraction is larger, or are the fractions equal?

- ○ $\frac{1}{9}$ and $\frac{3}{9}$, so $\frac{3}{9}$ is larger
- ○ $\frac{3}{9}$ is larger, because 3 is more than 1
- ○ $\frac{3}{9}$ and $\frac{3}{9}$, so the fractions are equal
- ○ $\frac{7}{9}$ and $\frac{3}{9}$, so $\frac{1}{3}$ is larger

2 Write $\frac{2}{4}$ and $\frac{4}{8}$ over the same denominator. Which fraction is larger, or are the fractions equal?

- ○ $\frac{6}{8}$ and $\frac{4}{8}$, so $\frac{2}{4}$ is larger
- ○ $\frac{4}{8}$ is larger, because 4 is more than 2
- ○ $\frac{2}{8}$ and $\frac{4}{8}$, so $\frac{4}{8}$ is larger
- ○ $\frac{4}{8}$ and $\frac{4}{8}$, so the fractions are equal

3 Compare $\frac{3}{6}$ with $\frac{1}{2}$ and with 1. Which of these is true of $\frac{3}{6}$?

- ○ Less than $\frac{1}{2}$
- ○ Equal to $\frac{1}{2}$
- ○ Between $\frac{1}{2}$ and 1
- ○ Greater than 1

4 Is $\frac{3}{5}$ less than, equal to, or greater than $\frac{1}{2}$?

- ○ Less than $\frac{1}{2}$
- ○ Equal to $\frac{1}{2}$
- ○ Greater than $\frac{1}{2}$

5 Ivy walks $\frac{5}{8}$ kilometre. Cleo walks $\frac{7}{8}$ kilometre. Who walks farther, and why?

- ○ Ivy, because fewer parts make larger parts.
- ○ Cleo, because 7 parts of $\frac{1}{8}$ are more than 5 parts of $\frac{1}{8}$.
- ○ They walk the same distance, because the denominators are the same.

6 Ivy walks $\frac{2}{5}$ kilometre. Emma walks $\frac{4}{5}$ kilometre. Who walks farther, and why?

- ○ They walk the same distance, because the denominators are the same.
- ○ Ivy, because fewer parts make larger parts.
- ○ Emma, because 4 parts of $\frac{1}{5}$ are more than 2 parts of $\frac{1}{5}$.

Comparing fractions: explain which is larger

1. $\frac{3}{9}$ and $\frac{3}{9}$, so the fractions are equal

2. $\frac{4}{8}$ and $\frac{4}{8}$, so the fractions are equal

3. Equal to $\frac{1}{2}$

4. Greater than $\frac{1}{2}$

5. Cleo, because 7 parts of $\frac{1}{8}$ are more than 5 parts of $\frac{1}{8}$.

6. Emma, because 4 parts of $\frac{1}{5}$ are more than 2 parts of $\frac{1}{5}$.