Comparing/ordering

6 questions | 10 marks

Equivalent correct methods earn the corresponding marks.

1. Compare $\frac{3}{8}$ and $\frac{5}{8}$ using $<$ or $>$. [1 mark]

The pieces have the same size, so compare the numerators.

Answer: $\frac{3}{8} < \frac{5}{8}$.

2. Which is greater: $\frac{2}{3}$ or $\frac{3}{5}$? [2 marks]

$\frac{2}{3} = \frac{10}{15}$ and $\frac{3}{5} = \frac{9}{15}$.

Answer: $\frac{2}{3}$.

3. Order $\frac{1}{2}$, $\frac{3}{4}$ and $\frac{2}{3}$ from least to greatest. [2 marks]

Use twelfths: $\frac{6}{12}$, $\frac{9}{12}$ and $\frac{8}{12}$.

Answer: $\frac{1}{2}, \frac{2}{3}, \frac{3}{4}$.

4. Is $\frac{4}{9}$ below or above one half? [1 mark]

Half of 9 is 4.5; 4 is less than 4.5.

Answer: Below.

5. Give a fraction strictly between $\frac{1}{4}$ and $\frac{3}{4}$. [2 marks]

$\frac{1}{2} = \frac{2}{4}$ lies between them. Other correct answers are possible.

Answer: For example, $\frac{1}{2}$.

6. Identical bottles are filled to $\frac{5}{6}$ and $\frac{7}{8}$. Which contains more water? [2 marks]

$\frac{5}{6} = \frac{20}{24}$ and $\frac{7}{8} = \frac{21}{24}$.

Answer: The bottle filled to $\frac{7}{8}$.