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]

2/3=10/15 and 3/5=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: 6/12, 9/12 and 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]

1/2=2/4 lies between them. Other correct answers are possible.

Answer: For example, 1/2.

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

5/6=20/24 and 7/8=21/24.

Answer: The bottle filled to 7/8.