Fractions topic test

Name: _____ Date: _____

12 questions | 25 marks | 30 minutes

Equivalent fractions, mixed numbers, comparison and related-denominator calculations, building from short questions to explanations and applications.

No calculator needed.

1. Write the shaded fraction in simplest form. [1 mark]

One whole 

2. Complete $\frac{3}{5} = \frac{?}{20}$. [1 mark]

3. Simplify $\frac{12}{18}$. [2 marks]

4. Write $\frac{13}{4}$ as a mixed number. [2 marks]

5. Write $2\frac{2}{3}$ as an improper fraction. [2 marks]

6. Order $\frac{5}{8}$, $\frac{1}{2}$ and $\frac{3}{4}$ from smallest to largest. [2 marks]

7. Calculate $\frac{1}{3} + \frac{1}{6}$. [2 marks]

8. Calculate $\frac{7}{8} - \frac{1}{4}$. [2 marks]

9. Calculate $1\frac{1}{2} + \frac{3}{4}$. [2 marks]

10. A family eats $\frac{2}{5}$ of a loaf in the morning and $\frac{1}{10}$ in the afternoon. What fraction of the loaf is left? [3 marks]

11. Tess writes $\frac{3}{4} + \frac{1}{2} = \frac{4}{6}$. Explain the error and find the correct sum. [3 marks]

12. A container has $3\frac{1}{3}$ litres of water. Pour out $\frac{5}{6}$ litre. How much remains? Show how you regroup. [3 marks]