MEMORANDUM

Name: ..... Class: .....

Date: .....

MARK ____ / 10

Answer all questions. Show all your working — marks are awarded for method as well as the final answer. **Teacher copy: accept any correct equivalent method.**

1 Fill in the missing number: $\frac{2}{7} = \frac{?}{21}$ (1)

$7 \times 3 = 21$, so $2 \times 3 = \mathbf{6} \rightarrow \frac{6}{21}$ ✓ (1)

2 Fill in the missing number: $\frac{3}{4} = \frac{15}{?}$ (1)

$3 \times 5 = 15$, so $4 \times 5 = \mathbf{20}$ ✓ (1)

3 Write two fractions equivalent to $\frac{3}{4}$. (2)

e.g. $\frac{\mathbf{6}}{\mathbf{8}}$ and $\frac{\mathbf{9}}{\mathbf{12}}$ ✓✓ (2)

4 Simplify $\frac{12}{18}$. (1)

HCF $= 6 \rightarrow \frac{\mathbf{2}}{\mathbf{3}}$ ✓ (1)

5 Simplify $\frac{45}{60}$. (2)

HCF $= 15 \rightarrow \frac{\mathbf{3}}{\mathbf{4}}$ ✓✓ (2)

6 Simplify $\frac{24}{36}$. (1)

HCF $= 12 \rightarrow \frac{\mathbf{2}}{\mathbf{3}}$ ✓ (1)

7 Is $\frac{7}{9}$ in lowest terms? Give a reason. (2)

Yes — 7 and 9 share no common factor except 1. ✓✓ (2)

TOTAL: 10 marks

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