MEMORANDUM

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

Date: .....

MARK ____ / 21

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 Find $\frac{3}{4}$ of 60. (2)

$60 \div 4 \times 3 = \mathbf{45}$ ✓✓ (2)

2 Find ⅖ of R150. (2)

$150 \div 5 \times 2 = \mathbf{R60}$ ✓✓ (2)

3 Find $\frac{5}{8}$ of 48. (2)

$48 \div 8 \times 5 = \mathbf{30}$ ✓✓ (2)

4 There are 45 learners and $\frac{1}{3}$ play sport. How many play sport? (2)

$45 \div 3 = \mathbf{15\ learners}$ ✓✓ (2)

5 $\frac{3}{4}$ of a number is 24. What is the number? (2)

$\frac{1}{4} = 24 \div 3 = 8$, so the number is $8 \times 4 = \mathbf{32}$ ✓✓ (2)

6 ⅖ of a number is 30. What is the number? (2)

$\frac{1}{5} = 30 \div 2 = 15$, so the number is $15 \times 5 = \mathbf{75}$ ✓✓ (2)

7 How many $\frac{1}{2}$-litre bottles can be filled from 7 litres? (2)

$7 \div \frac{1}{2} = 7 \times 2 = \mathbf{14\ bottles}$ ✓✓ (2)

8 How many $\frac{2}{3}$-metre pieces can be cut from 8 metres? (2)

> $8 \div \frac{2}{3} = 8 \times \frac{3}{2} =$ **12 pieces** ✓✓ (2)

9 Sipho spends $\frac{1}{4}$ of his money on a book and $\frac{1}{3}$ on food. What fraction is left? (3)

> $\frac{1}{4} + \frac{1}{3} = \frac{3}{12} + \frac{4}{12} = \frac{7}{12}$; left $= \frac{12}{12} - \frac{7}{12} = \frac{\mathbf{5}}{\mathbf{12}}$ ✓✓✓ (3)

10 A tank is ⅗ full and holds 45 litres when full. How many litres are in it? (2)

> $45 \div 5 \times 3 =$ **27 litres** ✓✓ (2)

TOTAL: 21 marks

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