MEMORANDUM

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

Date: .....

MARK ____ / 14

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 $(\frac{1}{2})^2$ (1)

$\frac{1^2}{2^2} = \frac{1}{4}$ ✓ (1)

2 $(\frac{2}{5})^2$ (1)

$\frac{4}{25}$ ✓ (1)

3 $(\frac{3}{4})^2$ (1)

$\frac{9}{16}$ ✓ (1)

4 $(\frac{2}{3})^3$ (1)

$\frac{8}{27}$ ✓ (1)

5 $(\frac{1}{2})^3$ (1)

$\frac{1}{8}$ ✓ (1)

6 $\sqrt{\frac{4}{9}}$ (1)

$\frac{2}{3}$ ✓ (1)

7 $\sqrt{\frac{25}{36}}$ (2)

$\frac{5}{6}$ ✓✓ (2)

8 $\sqrt[3]{\frac{1}{8}}$ (2)

$\frac{1}{2}$ ✓✓ (2)

9 $\sqrt[3]{\frac{27}{64}}$ (2)

$\frac{3}{4}$ ✓✓ (2)

10 $(1\frac{1}{3})^2$ (2)

$(\frac{4}{3})^2 = \frac{16}{9} = 1\frac{7}{9}$ ✓✓ (2)

TOTAL: 14 marks

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