

## 2. Decimals

1	$\frac{0.0168 \times 2.46 \times 7}{5.74 \times 0.112}$ $\frac{0.0003 \times 0.03}{0.01 \times 0.002}$ $\frac{0.3 \times 3}{2} = 0.45$	<p>M<sub>1</sub></p> <p>M<sub>1</sub></p> <p>A<sub>1</sub></p>	<p>÷ 0.41 or 4.1 or 41</p> <p>✓ attempt to simplify</p>
		3	
2	$x + y = 10$ $(10y + x) - (10x + y) = 54$ $-9x + 9y = 54$ $-x + y = 6$ $x + y = 10$ <hr style="width: 10%; margin-left: 0;"/> $2y = 16$ $y = 8$ $-x + 8 = 6$ $-x = -2$ $x = 2$ <p style="margin-left: 150px;">: No. is 28</p>	<p>M<sub>1</sub></p> <p>M<sub>1</sub></p> <p>A<sub>1</sub></p>	
3.	$\sqrt[3]{\frac{0.064}{0.512}}$ $\sqrt[3]{\frac{64}{512}}$ $\sqrt[3]{\frac{1}{8}}$ $\frac{1}{2}$	<p>M1</p> <p>M1</p> <p>A1</p>	

4. a) 471331.512

b) 7.273352

c) 40.16649692

5. Let  $r = 5.722222$ .....  
 $10r = 57.22222$ .....  
 $100r = 572.22222$ .....  
 $100r = 572.2222$ .....  
 $10r = 57.222$ .....

$$90r = 515$$

$$6. \quad \frac{38 \times 23 \times 27 \times 100 \times 100000}{114 \times 575}$$

$$= 36$$

*For elimination of decimals*

*For correct answer only*

$$7. \quad \frac{\cancel{84} \times \cancel{132} \times 35}{\cancel{287} \times \cancel{560}}$$

$$41 \quad 4 \quad 16$$

$$= \frac{99}{41} \quad 1$$

$$8. \quad \frac{12 \times 0.25 - 12.4 \div 0.4 \times 3}{\frac{1}{8} \text{ of } 2.56 + 8.68}$$

$$\frac{3 - 31 \times 3}{0.32 + 8.68}$$

$$\frac{-90}{9}$$

$$= -10$$