

## Mark schemes

Q1.

90%

B1

[1]

Q2.

(a)  $\frac{30}{100}$  or  $\frac{3}{10}$

*oe any equivalent fraction eg  $\frac{15}{50}$  ,  $\frac{6}{20}$*

B1

Additional Guidance

Accept equivalent fractions such as  $\frac{15}{50}$  ,  $\frac{6}{20}$  etc

Do not accept decimal answer such as 0.3, 0.30 etc.

Note:  $\frac{1}{3}$  in working with  $\frac{3}{10}$  on answer line is B1

(b) 0.8 or 0.80

*oe decimal*

B1

Additional Guidance

Accept 0.8, 0.80, 0.800, 0.8000 etc

Do not accept fraction answer such as  $\frac{80}{100}$  ,  $\frac{8}{10}$  etc.

(c)  $0.\dot{6}$  and  $\frac{66}{99}$

*B1 one correct  
or one correct and one incorrect  
or two correct and one incorrect  
any clear indication*

B2

[4]

Q3.

top row: (0).5 (0)

*B2 two correct*

middle row: 75(%)

*B1 one correct*

bottom row:  $\frac{1}{10}$  or  $\frac{10}{100}$  oe

B3

[3]

Q4.

$$\frac{1}{1000}$$

B1

[1]

Q5.

$$\frac{1}{4}, \frac{4}{10}, 0.404, 44\%$$

with no incorrect conversions  
Accept values in any correct format

*B1 two correct conversions to decimals  
or two correct conversions to percentages  
or two correct fractions with common denominators*

B2

Additional Guidance

Condone missing percentage signs

0.25, 0.4, 0.404, 0.44

B2

25%, 40%, 40.4%, 44%

B2

25%,  $\frac{2}{5}$ , 0.404, 44% with no other working  
(all correct, even though in different formats)

B2

$\frac{1}{4}$ ,  $\frac{4}{10}$ , 0.404, 44% with no working

B2

$\frac{1}{4}$ ,  $\frac{4}{10}$ , 0.404, 44% with conversions to 25%, 40%, 40.04%  
(one incorrect conversion)

B1

25%, 40%, 40.04% ( two correct conversions)

B1

44%, 0.404,  $\frac{4}{10}$ ,  $\frac{1}{4}$  (in reverse order) with no working for B1

B1

[2]

Q6.

- (a) Shades 12 squares

B1

Additional Guidance

Mark intention, positive marking

- (b) Identifies  $\frac{2}{5}$  and  $\frac{8}{20}$

*B1 for one correct  
or one correct and one incorrect  
or two correct and one incorrect*

B2

[3]

Q7.

$$\frac{1}{2000}$$

B1

[1]