

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]