

Q1. Put these in order starting with the smallest value.

$$\frac{13}{4}$$

$$3\frac{1}{2}$$

$$3.15$$

$$\sqrt{9}$$

You **must** show your working.

.....
.....
.....
.....
.....

Smallest

.....

.....

Largest

(Total 3 marks)

Q2.(a) Write 30% as a fraction.

.....
.....

Answer

(1)

(b) Write 80% as a decimal.

.....
.....

Answer

(1)

- (c) Circle the **two** values that are equivalent to $\frac{2}{3}$
- $\frac{66}{100}$ $0.\dot{6}$ 60% $\frac{66}{99}$ 0.6

(2)
(Total 4 marks)

- Q3.**(a) Write $2\frac{5}{7}$ as an improper fraction.

Answer

(1)

- (b) Circle the fraction that is equivalent to $\frac{2}{3}$
- $\frac{4}{9}$ $\frac{7}{8}$ $\frac{15}{20}$ $\frac{16}{24}$

(1)

- (c) Put the numbers 2, 4, 5 and 9 in the boxes to make the fraction equal to the decimal.

$$\frac{\square}{\square} = \square \cdot \square$$

(1)
(Total 3 marks)

- Q4.** Circle the **three** values that are greater than $\frac{1}{2}$
- 0.32 65% $\frac{1}{4}$ 0.76 $\frac{2}{3}$ 40%

(Total 3 marks)

Q5.(a) Write 3.574 to 1 decimal place.

Answer

(1)

(b) Put these decimals in order, starting with the smallest.

0.5 0.62 0.325

Answer , ,

(1)

(c) Circle the **two** values that are equivalent to 0.8

8% $\frac{4}{5}$ 80% $\frac{8}{100}$ $\frac{1}{8}$

(2)

(Total 4 marks)

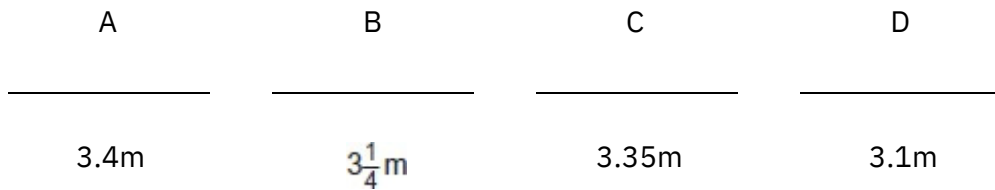
Q6. Complete the table.

Fraction	Decimal	Percentage
$\frac{1}{2}$		50%
$\frac{3}{4}$	0.75	
	0.10	10%

(Total 3 marks)

Q7. Here are four rods.

Not drawn accurately



(a) Which rod is the longest?

Answer

(1)

(b) Work out the total length of rod C and rod D.

.....

Answer m

(1)

(c) Which **three** rods have a total length of 10 metres?

.....

.....

.....

Answer and and

(2)

(Total 4 marks)

Q8. In each part, circle the odd one out.

Give a reason for your answer.

- (a) 75% $\frac{3}{4}$ 0.75 7.5

Reason

.....

(1)

- (b) $\frac{2}{6}$ $\frac{4}{10}$ $\frac{6}{18}$ $\frac{8}{24}$

Reason

.....

(1)

- (c) $\sqrt{64}$ $\sqrt{81}$ $\sqrt{125}$ $\sqrt{144}$

Reason

.....

(1)

- (d) 11 13 15 17

Reason

.....

(1)

(Total 4 marks)

Q9. Which is bigger, 0.38 or $\frac{3}{8}$?

You **must** show your working.

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.....
.....
.....

Answer

(Total 3 marks)

Q10. Use your calculator to change $\frac{27}{64}$ to a decimal.

(a) Write down your full calculator display.

Answer

(1)

(b) Give your answer to part (a) to 3 decimal places.

Answer

(1)
(Total 2 marks)

Q11.(a) Write 80% as a decimal.

Answer

(1)

(b) Write 0.7 as a fraction.

Answer

(1)

- (c) Write $\frac{3}{4}$ as a decimal.

Answer

(1)

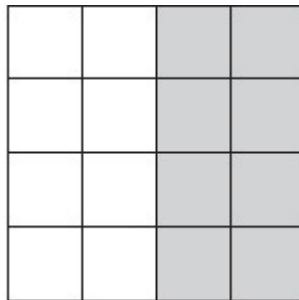
- (d) Write 80%, 0.7 and $\frac{3}{4}$ in order with the smallest first.

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Answer,,

(1)
 (Total 4 marks)

- Q12.**(a) Here is a square grid.

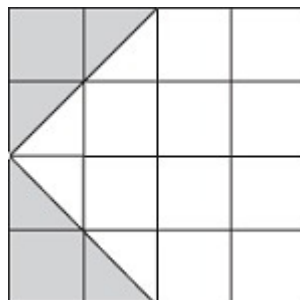


What percentage of the grid is shaded?

Answer %

(1)

- (b) Here is another square grid.



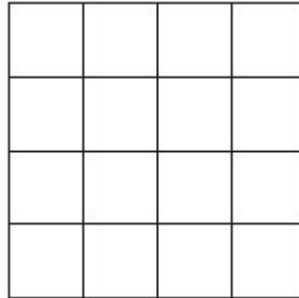
What fraction of the grid is shaded?
Give your answer in its simplest form.

.....

Answer

(2)

(c) Shade $\frac{1}{8}$ of this square grid.



(1)
(Total 4 marks)

Q13. (a) (i) Write $\frac{1}{4}$ as a percentage.

Answer %

(1)

(ii) Write 30% as a decimal.

Answer

(1)

(iii) Write $\frac{1}{4}$, 30% and 0.2 in order with the smallest first.

.....

.....

Answer

(1)

(b) Complete the following.

(i) $\frac{2}{3} = \frac{\square}{18}$

(1)

(ii) $\frac{\square}{4} = \frac{15}{20}$

(1)

(c) Work out $\frac{3}{8}$ as a decimal.

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.....

.....

.....

Answer

(2)
(Total 7 marks)

Q14.(a) Complete the table.

Fraction	Decimal	Percentage
$\frac{3}{4}$		75%

$\frac{9}{10}$	0.9	
	0.3	30%

(3)

- (b) Write $\frac{3}{4}$, 0.9 and 30% in order with the smallest first.

.....

Answer,,

(1)

(Total 4 marks)