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

$$\frac{13}{4} \qquad 3\frac{1}{2} \qquad 3.15 \qquad \sqrt{9}$$

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.

$$\frac{\Box}{\Box} = \Box \,.\, \Box$$

(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 .... , ... , ...
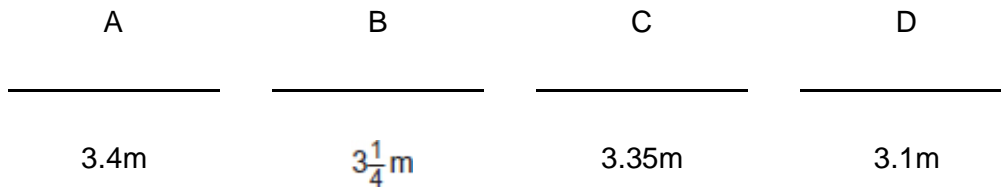
(1)

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

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

(2)
(Total 4 marks)

Q6. Complete the table.

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

(Total 3 marks)

Q7. Here are four rods.

Not drawn accurately

A	B	C	D
3.4m	$3\frac{1}{4}$m	3.35m	3.1m

(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.

....

....

....

....

Answer ....

(Total 3 marks)

Q10. Use your calculator to change $\dfrac{27}{64}$ 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 $\dfrac{3}{4}$ as a decimal.

Answer ....

(1)

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

....

....

Answer .... , ... , ...

(1)
(Total 4 marks)

Q12.(a)   Here is a square grid.
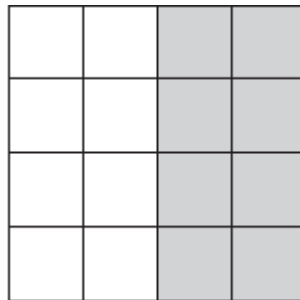
What percentage of the grid is shaded?

Answer .... %

(1)

(b)   Here is another square grid.
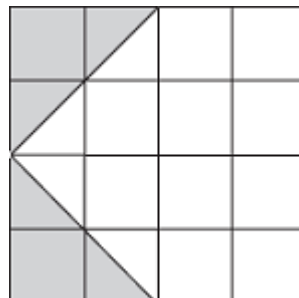
What fraction of the grid is shaded?
Give your answer in its simplest form.

....

Answer ....

(2)

(c)   Shade $\dfrac{1}{8}$ of this square grid.
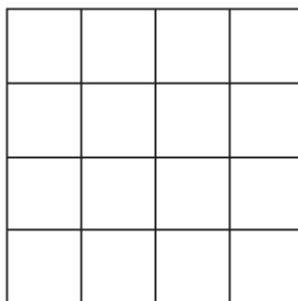
(1)
(Total 4 marks)

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

Answer .... %

(1)

(ii)   Write 30% as a decimal.

Answer ....

(1)

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

....

....

Answer ....

(1)

(b)   Complete the following.

(i) $\dfrac{2}{3} = \dfrac{\boxed{}}{18}$

(1)

(ii) $\dfrac{\boxed{}}{4} = \dfrac{15}{20}$

(1)

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

....

....

....

....

....

....

Answer ....

(2)
(Total 7 marks)

Q14.(a)   Complete the table.

Fraction	Decimal	Percentage
$\dfrac{3}{4}$		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)