

Q1.

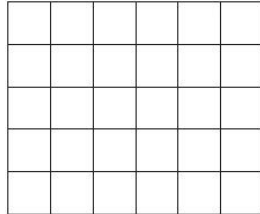
Calculate $\frac{3}{4}$ of £15

1 mark

Q2.

Here is a grid made of squares.

Shade 10% of this grid.



1 mark

Q3.

John had £5

He gave 25% of it to charity.

How much did he give?

1 mark

Q4.

Write the two missing values to make these equivalent fractions correct.

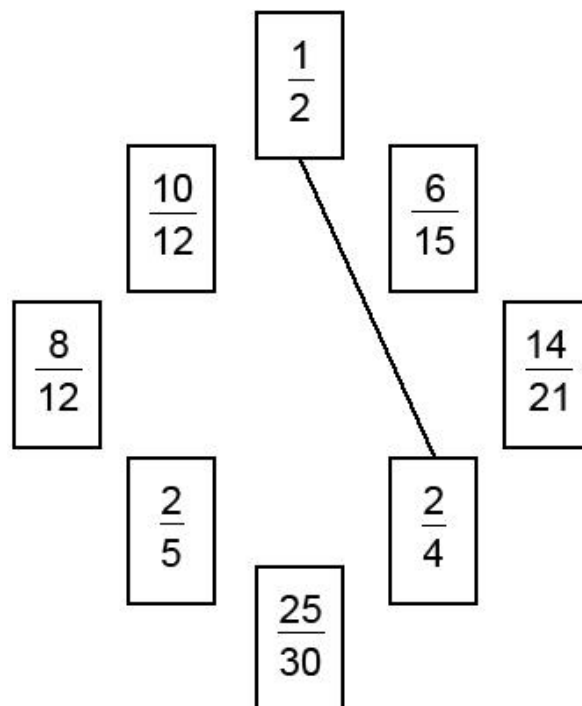
$$\frac{\square}{30} = \frac{10}{12} = \frac{30}{\square}$$

2 marks

Q5.

Join pairs of equivalent fractions.

One is done for you.



2 marks

Q6.

Tick the fractions that are **equal** to 20%.

$$\frac{1}{20} \quad \square$$

$$\frac{20}{40} \quad \square$$

$$\frac{1}{5} \quad \square$$

$$\frac{3}{15} \quad \square$$

$$\frac{2}{100} \quad \square$$

2 marks

Q7.

$\frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{10}$ $\frac{1}{20}$ $\frac{1}{40}$

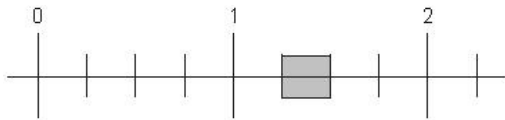
Use three of these fraction cards to complete the sum

$$\square + \square + \square = \frac{1}{2}$$

1 mark

Q8.

Part of this number line is shaded.



Circle **all** the numbers below that belong in the shaded part of the number line.

1.1

1.4

$1\frac{1}{3}$

$1\frac{1}{5}$

1 mark

Q9.

Write these fractions in order of size starting with the smallest.

$\frac{3}{4}$

$\frac{3}{5}$

$\frac{9}{10}$

$\frac{17}{20}$

smallest

1 mark

Q10.

Calculate $\frac{3}{8}$ of 980

1 mark

Q11.

Here are some number cards.



Use **two** of the cards to make a fraction which is **less than** $\frac{1}{2}$.

$$\frac{\quad}{\quad}$$

1 mark

How much **less than 1** is your fraction?

1 mark

Q12.

What number is exactly halfway between $2\frac{3}{4}$ and $3\frac{1}{2}$

1 mark

Q13.

Ellie had a piece of ribbon that was $\frac{3}{4}$ m long.

She cut it and gave half to Grace.

What **fraction** of a metre did she give to Grace?

1 mark

Mark schemes

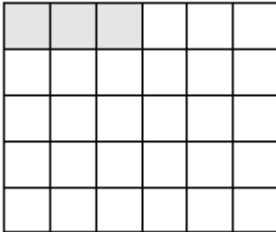
Q1.

£11.25

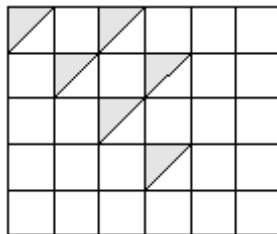
[1]

Q2.

Any three squares shaded, eg



*Shaded squares need not be joined in any way.
Shading may be in terms of part squares, eg*



Accept slight inaccuracies in shading provided the intention is clear.

[1]

Q3.

£1.25

Accept also £1-25, £1.25p or £1 25 (with a clear gap between the 1 and 25).

[1]

Q4.

$$\frac{25}{30}$$

1

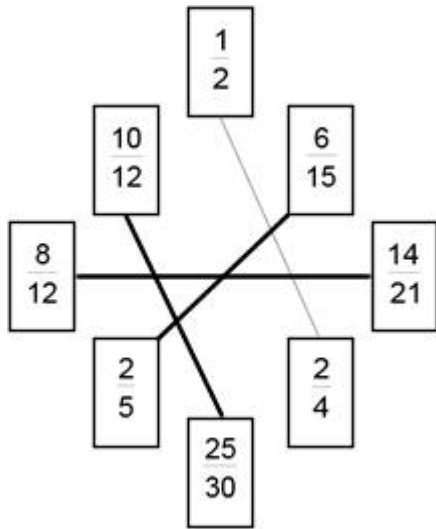
$$\frac{30}{36}$$

1

[2]

Q5.

Award **TWO** marks for three correct pairs joined, as shown.



Award **ONE** mark for any two correct pairs joined.

[2]

Q6.

Award **TWO** marks for two boxes ticked correctly, as shown:

$\frac{1}{20}$	
$\frac{20}{40}$	
$\frac{1}{5}$	✓
$\frac{3}{15}$	✓
$\frac{2}{100}$	

If the answer is incorrect, award **ONE** mark for:

- only **ONE** box ticked correctly and no incorrect boxes ticked
- **TWO** boxes ticked correctly and **ONE** incorrect box ticked.

Accept alternative unambiguous positive indication of the correct answer, e.g. Y.

Up to 2m

[2]

Q7.

Sum completed using the correct three cards, ie:

$$\boxed{\frac{1}{4}} + \boxed{\frac{1}{5}} + \boxed{\frac{1}{20}} = \frac{1}{2}$$

! The correct three fractions may be given in any order

Accept unambiguous indication, eg:

- fractions joined to boxes
- use of correct equivalent fractions or decimals or percentages which must be linked to the original fraction cards

Q8.

Two numbers circled as shown:

$$1.1 \quad \textcircled{1.4} \quad \textcircled{1\frac{1}{3}} \quad 1\frac{1}{5}$$

Do not award the mark if additional incorrect numbers are circled.

Accept: alternative unambiguous indications, eg numbers ticked, crossed or underlined.

[1]

Q9.

$$\boxed{\frac{3}{5}} \quad \boxed{\frac{3}{4}} \quad \boxed{\frac{17}{20}} \quad \boxed{\frac{9}{10}}$$

Fractions must be written in the correct order for the award of the mark.

Accept equivalent fractions or decimals.

[1]

Q10.

367.5 OR $367\frac{1}{2}$

[1]

Q11.

$$\text{(a)} \quad \frac{\boxed{3}}{\boxed{7}} \text{ OR } \frac{\boxed{3}}{\boxed{9}} \text{ OR } \frac{\boxed{3}}{\boxed{11}} \text{ OR } \frac{\boxed{5}}{\boxed{11}}$$

Accept only fraction formed by the cards given.

1

(b)

$$\frac{4}{7} \text{ OR } \frac{6}{9} \text{ OR } \frac{8}{11} \text{ OR } \frac{6}{11}$$

consistent with part (a).

If part (a) is incorrect, accept working of 1 – (answer to part (a)) provided the numbers used are on the cards.

Accept decimals.

If answer to part (a) is greater than 1, answer to part (b) must be negative.

1

[2]

Q12.

$$3\frac{1}{8}$$

Accept equivalent fractions/decimals, e.g. $\frac{25}{8}$ or 3.125

[1]

Q13.

$$\frac{3}{8} \text{ m}$$

or equivalent

[1]