Mark schemes

1. £1.25

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

[1]

2. Award **TWO** marks for the table completed as shown.

fraction	decimal
$\frac{67}{100}$	0.67
$\frac{3}{10}$	0.3
$\frac{7}{10}$	0.7
$\frac{9}{100}$	0.09
$\frac{93}{100}$	0.93

Award **ONE** mark for any three numbers correct.

[2]

3. [10.2] [$^3/_{10}$] [0.6] [$^9/_{10}$]

> *Accept equivalent fraction or decimals,*
> *e.g. 0.2, 0.3, 0.6, 0.9*

[1]

4. (a)   36

> ***Do not accept*** *equivalent fractions or decimals*

1

   (b)   46

> ***Do not accept*** *equivalent fractions or decimals*

1

[2]

5. Award **TWO** marks for the table correctly completed as shown:

✓	
	✓
✓	
	✓

If the table is not correctly completed award **ONE** mark for any two out of three ticks correct.
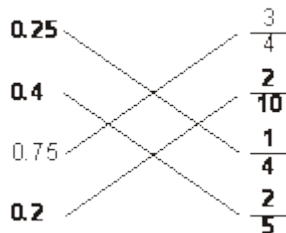
> ***Do not*** *accept any row that has both columns ticked.*
>
> *Accept unambiguous alternatives to ticks, eg 'yes'.*

Up to 2

[2]

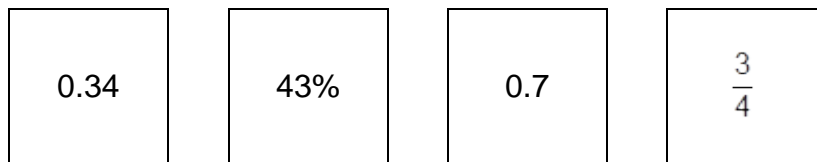**6.** All numbers matched correctly as shown:

> ***Do not*** *award the mark if additional incorrect lines are drawn.*
>
> *Lines need not touch the numbers provided the intention is clear.*

[1]

7. Numbers in order as shown:

0.34	43%	0.7	$\frac{3}{4}$

Accept use of equivalent fractions, decimals or percentages, eg 0.34, 0.43, 0.7, 0.75

[1]

8. An explanation which correctly compares two percentages or two scores, eg:

- '40 out of 80 is 50%'

- '50% is more than 40%'

- '40% of 80 is 32'

- '40 out of 80 is better than 40 out of 100'

- '40 out of 80 is more than 32 out of 80'

- 'Kate has less than half marks'.

  No mark is awarded for circling 'Hassan' alone.

  Do not *accept vague or incomplete explanations, eg:*
  - *'Hassan has half marks'*
  - *'Percentages are bigger'*
  - *'Hassan has more than 40%'*
  - *'Kate has less than 40 out of 80'.*

  If 'Kate' is circled but a correct unambiguous explanation is given, then award the mark.

U1

[1]

9. Numbers in order, as shown:

0.5 $\dfrac{3}{5}$ 0.65 $\dfrac{2}{3}$

Accept equivalent decimals, percentages or fractions.

[1]

10. 35%

[1]

11.

An explanation showing that 0.25 is less than $\frac{2}{5}$, e.g.

- $\frac{2}{5}$ is 0.4 > 0.25

- 0.25 is $\frac{5}{20} < \frac{8}{20}$

- 0.25 is 25% and $\frac{2}{5}$ is 40% and 25% is smaller than 40%

- 0.25 is a quarter.

  You need 8 quarters to make 2, but only 5 lots of $\frac{2}{5}$ to make 2

- $\frac{2}{5} = 0.4$

- $\frac{1}{4}$ is $\frac{1}{4}$ smaller than a half, but $\frac{2}{5}$ is only $\frac{1}{10}$ smaller,

  so $\frac{1}{4}$ is smaller than $\frac{2}{5}$

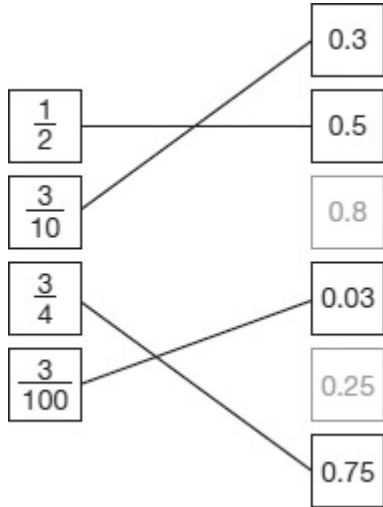> ***Do not*** *accept vague, incomplete or incorrect explanations, e.g.*
>
> - *Because $\frac{1}{4}$ is bigger than $\frac{2}{5}$*
> - *Because $\frac{1}{4}$ comes first on a number line*
> - *Because 0.25 is $\frac{1}{4}$*
>
> *Accept $\frac{2.5}{10}$ as an equivalent to $\frac{1}{4}$ in an explanation when comparing to $\frac{4}{10}$*

[1]

12. Award **TWO** marks for all four fractions matched to the correct decimal as shown:

Award **ONE** mark for three fractions and decimals matched correctly.

Lines need not touch the boxes, provided the intention is clear.

Do not *accept any fraction that has been matched to more than one decimal number.*

Up to 2m

[2]

13. Award **TWO** marks for all four rows completed correctly as shown:

Row 1: (1½)   1.2

Row 2: 1¼   (1.3)

Row 3: 1 5/100   (1.4)

Row 4: (1⅗)   1.5

If the answer is incorrect, award **ONE** mark for three rows completed correctly.

Accept alternative unambiguous positive indications of the correct numbers, e.g numbers ticked.

Up to 2m

[2]

14. Both boxes ticked, as shown:

Tick **two**.

0.25	✓
0.75	☐
$\frac{25}{100}$	✓
0.5	☐
$\frac{2}{5}$	☐

*As pupils are told to select **two** boxes, alternative unambiguous positive indications, e.g. Y, of the correct answer are accepted.*

Both correct boxes must be ticked for the award of the mark. No additional boxes must be ticked.

[1]

15. 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]