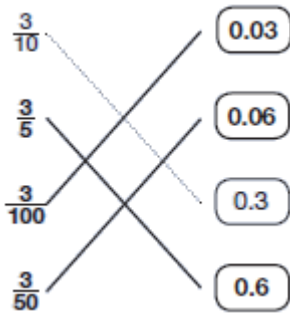


Mark scheme – Week 8

Q1. Fractions connected correctly to decimals as shown:



[1]

Q2. 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]

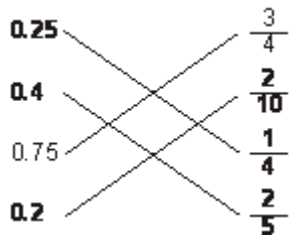
Q3. Award **TWO** marks for the table completed as shown.

| 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]

Q4. All numbers matched correctly as shown:

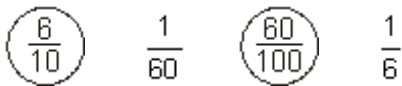


Do not award the mark if additional incorrect lines are drawn.

Lines need not touch the numbers provided the intention is clear.

[1]

Q5. Two fractions circled as shown:

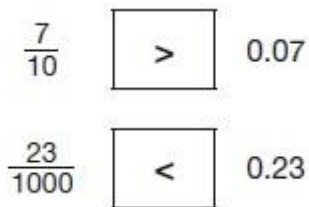


Both fractions must be indicated for the award of the mark.

Accept any other clear way of indicating the correct fractions, such as ticking or underlining.

[1]

Q6. Both symbols correct, as shown:



[1]

Q7. 0.099

[1]

Q8. 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]

Q9. 0.13 and 0.130 only

[1]

Q10. Award **TWO** marks for all four rows completed correctly as shown:

| | |
|----------------|-----|
| $1\frac{1}{2}$ | 1.2 |
|----------------|-----|

| | |
|----------------|-----|
| $1\frac{1}{4}$ | 1.3 |
|----------------|-----|

| | |
|------------------|-----|
| $1\frac{5}{100}$ | 1.4 |
|------------------|-----|

| | |
|----------------|-----|
| $1\frac{3}{5}$ | 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]

Q11. 0.625

[1]

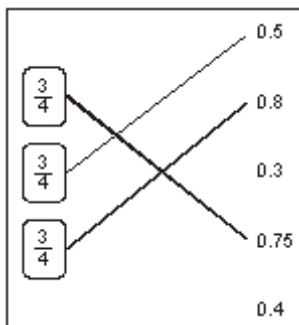
Q12. Numbers in order, as shown:

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

Accept equivalent decimals, percentages or fractions.

[1]

Q13. Diagram completed correctly as shown:



Both lines must be drawn correctly for the award of the mark.

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

[1]

Q14. 10

[1]

Q15. Award **TWO** marks for all three calculations completed correctly, as shown:

$$5.3 \quad \boxed{\div 10} = 0.53$$

$$5.3 \quad \boxed{\times 1000} = 5300$$

$$5.3 \quad \boxed{\div 100} = 0.053$$

If the answer is incorrect, award **ONE** mark for two calculations correct.

Up to 2

[2]

Q16. Award **TWO** marks for the sentences completed as shown:

$$25 \quad \boxed{\div 10} = 2.5$$

$$7 \quad \boxed{\div 100} = 0.07$$

$$3.6 \quad \boxed{\times 100} = 360$$

Award **ONE** mark for any two sentences correct.

[2]

Q17.

All three correct

35.05

100

1000

2

or

Any two correct

1

[2]

Q18.

Award **TWO** marks for four sentences completed as shown:

$$36.55 \quad \boxed{\times 10} = 365.5$$

$$0.2 \quad \boxed{\div 100} = 0.002$$

$$7800 \quad \boxed{\div 1000} = 7.8$$

$$47.3 \quad \boxed{\times 100} = 4730$$

Award **ONE** mark for any two sentences correct.

[2]

Q19.

Award **TWO** marks for all four values correct as shown:

$$15 \times 100 = \begin{array}{|c|} \hline 150 \\ \hline 0 \\ \hline \end{array}$$

$$\begin{array}{|c|} \hline 150 \\ \hline \end{array} \times 10 = 1500$$

$$\begin{array}{|c|} \hline 1500 \\ \hline 0 \\ \hline \end{array} \div 100 = 150$$

$$150 \div 10 = \begin{array}{|c|} \hline 15 \\ \hline \end{array}$$

If the answer is incorrect, award **ONE** mark for three values correct.

Up to 2

[2]

Q20.

10

[1]