Mark scheme

Q1.

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

Fraction	Box
$\frac{1}{2}$	✓
$\frac{2}{8}$	✓
$\frac{3}{4}$	
$\frac{7}{16}$	✓
$\frac{24}{32}$	

Award **ONE** mark for:

• only two boxes ticked correctly and no incorrect boxes ticked

OR

• three boxes ticked correctly and one incorrect box ticked.

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

Up to 2m

[2]

Q2.

$\frac{5}{9}$

Accept equivalent fractions.

[1]

Q3.

Award **ONE** mark for any of the following:

$$\frac{7}{16} < \frac{6}{12} < \frac{5}{8}$$

OR

$$\frac{7}{16} < \frac{6}{12} < \frac{3}{4}$$

OR

$$\frac{7}{16} < \frac{5}{8} < \frac{3}{4}$$

OR

$$\frac{6}{12} < \frac{5}{8} < \frac{3}{4}$$

Accept equivalent fractions correctly ordered, e.g:

$$\frac{21}{48} < \frac{24}{48} < \frac{30}{48}$$

$$\frac{21}{48} < \frac{24}{48} < \frac{36}{48}$$

$$\frac{7}{16} < \frac{10}{16} < \frac{12}{16}$$

$$\frac{12}{24} < \frac{15}{24} < \frac{18}{24}$$

[1]

Q4.

$$\frac{4}{2}, \frac{10}{3} \text{ and } \frac{6}{4}$$

All must be correct for the award of the mark.

1

$$\frac{6}{4}$$

1

$$\frac{2}{5} \text{ and } \frac{4}{10}$$

1

[3]

Q5.

An explanation which recognises that the shaded area is equivalent to one-third, eg:

- '$\frac{2}{6}$ is shaded and that is equivalent to $\frac{1}{3}$'

- '2 out of 6 is the same as 1 out of 3'

- '2 out of 6'

- '$\frac{2}{6}$ is shaded and $\frac{4}{6}$ is not shaded, which is the same as $\frac{1}{3}$ shaded and $\frac{2}{3}$ not shaded'

- 'There are 3 squares, and 2 halves are shaded, and 2 halves make one whole'

- 'The two shaded triangles are the same as one square and that is one out of three squares'

- '1 square out of 3'

- 'If you add the shaded parts together it makes one square'

-

   No mark is awarded for circling 'Yes' alone.
   Do not *accept vague or incomplete explanations, eg:*

   - *'It's equivalent to $\frac{1}{3}$ '*

   - *'$\frac{1}{3}$ is shaded and $\frac{2}{3}$ is not shaded'*

   - *'The two parts shaded add up to $\frac{1}{3}$ '*
   - *'Half of 2 squares are shaded'.*

   If 'No' is circled but a correct, unambiguous explanation is given, then award the mark.

   U1

   [1]

Q6.

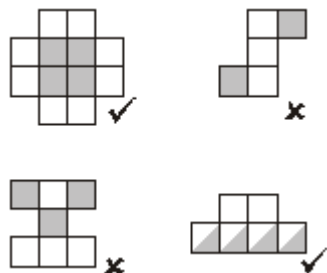$\frac{1}{2}$ or equivalent

[1]

Q7.

Correct number circled, as shown:

$$\frac{67}{8} \qquad \frac{48}{8} \qquad \frac{62}{8} \qquad \boxed{\frac{55}{8}} \qquad \frac{76}{8}$$

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

[1]

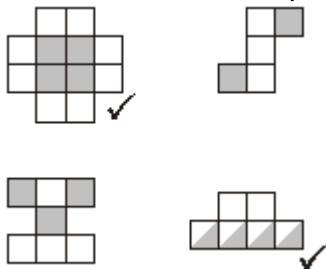## Q8.

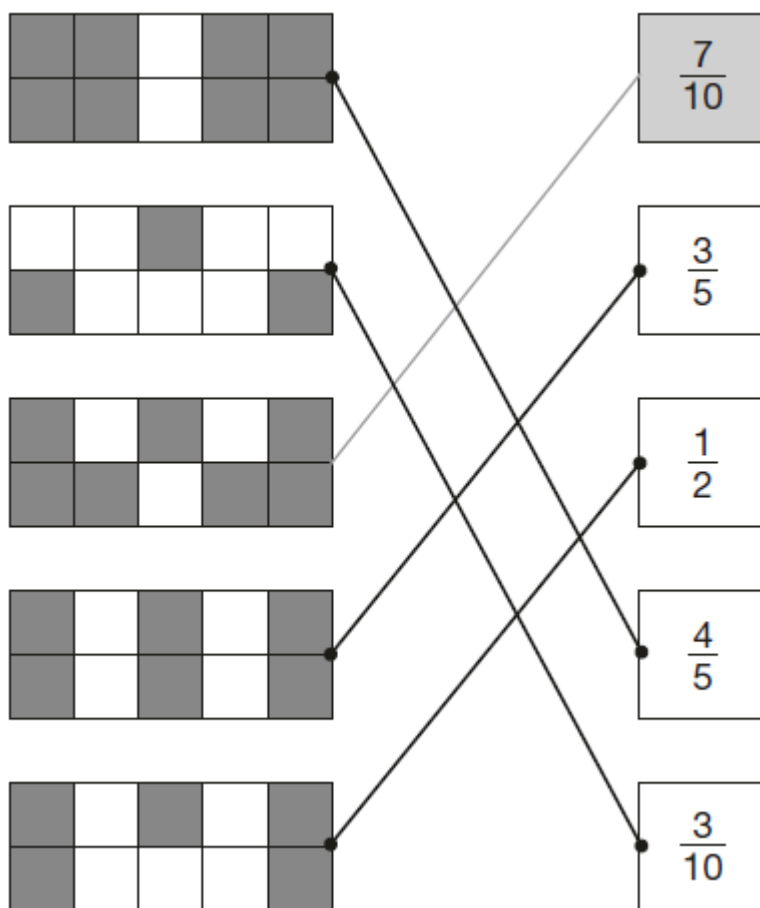Award **TWO** marks for diagrams ticked or crossed as shown:

If the answer is incorrect, award **ONE** mark for three diagrams ticked or crossed correctly.

Up to 2

[2]

Q9.

Award **TWO** marks for four shapes matched correctly as shown:

If the answer is incorrect, award **ONE** mark for three shapes matched correctly.

> *Lines need not touch shapes or fraction boxes, provided the intention is clear.*
>
> *Do not credit any shape that has been matched to more than one fraction.*

Up to 2

[2]

Q10.

$$\frac{\boxed{2}}{3} = \frac{8}{12} = \frac{4}{\boxed{6}}$$

<div align="right">[2]</div>

Q11.

$$\frac{34}{10}$$

<div align="right">**1**</div>

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

<div align="right">**1**</div>

<div align="right">[2]</div>