



Problem Solving Review



Q1.

Circle the improper fraction that is equivalent to $6\frac{7}{8}$

$$\frac{67}{8}$$

$$\frac{48}{8}$$

$$\frac{62}{8}$$

$$\frac{55}{8}$$

$$\frac{76}{8}$$

1 mark

Q2.

Tick (✓) **two** cards that give a **total of 5**

$$1\frac{1}{4}$$

$$1\frac{1}{2}$$

$$1\frac{3}{4}$$

$$3\frac{1}{2}$$

$$3\frac{3}{4}$$

$$4\frac{1}{4}$$

1 mark

Q3.

Large pizzas cost £8.50 each.

Small pizzas cost £6.75 each.

Five children together buy one large pizza and three small pizzas.

They share the cost equally.

How much does each child pay?

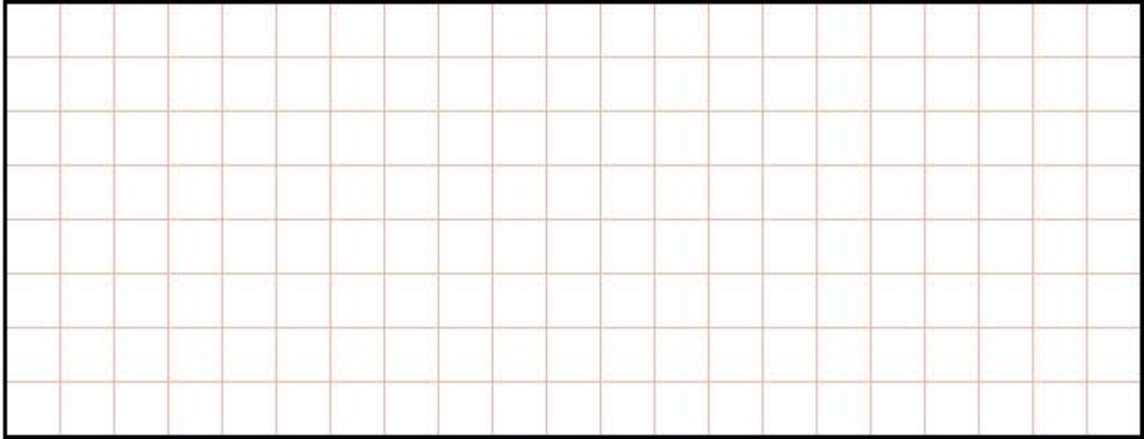
Show your method

£

2 marks

Q7.

$$1\frac{1}{4} - \frac{1}{3} =$$



1 mark

Mark schemes

Q1.

Correct number circled, as shown:

$$\frac{67}{8} \quad \frac{48}{8} \quad \frac{62}{8} \quad \left(\frac{55}{8} \right) \quad \frac{76}{8}$$

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

[1]

Q2.

Two cards ticked as shown:

$1\frac{1}{4}$ ✓	$1\frac{1}{2}$	$1\frac{3}{4}$
$3\frac{1}{2}$	$3\frac{3}{4}$ ✓	$4\frac{1}{4}$

OR

$1\frac{1}{4}$	$1\frac{1}{2}$ ✓	$1\frac{3}{4}$
$3\frac{1}{2}$ ✓	$3\frac{3}{4}$	$4\frac{1}{4}$

Accept alternative unambiguous indications such as circling or a line joining a correct pair of cards.

[1]

Q3.

Award **TWO** marks for the correct answer of £5.75

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g:

- $\begin{aligned} \text{£}6.75 \times 3 &= \text{£}20.25 \\ \text{£}20.25 + \text{£}8.50 &= \text{£}28.75 \\ \text{£}28.75 \div 5 \end{aligned}$

Answer need not be obtained for the award of **ONE** mark.

Up to 2

[2]

Q4.

Award **TWO** marks for the correct answer of 3.6

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, eg:

- $\begin{aligned} 10 \div 0.05 &= 200 \\ 200 \times 1.8 &= 360 \\ 360 \div 100 \end{aligned}$

OR

- 20 5p coins make £1
200 5p coins make £10
 200×0.018

*Answer must be in metres for the award of **TWO** marks.*

*Accept for **ONE** mark 360 centimetres.*

*If the answer is incorrect, accept for **ONE** mark an answer of 36 multiplied by any power of 10 with no evidence of an incorrect method.*

*Answer need not be obtained for the award of **ONE** mark.*

Up to 2

[2]

Q5.

Award **TWO** marks for the correct answer of £3.85

If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg

$$£10 - £2.30 = £7.70$$

$$£7.70 \div 2 = \text{wrong answer}$$

*Working must be carried through to reach an answer for the award of **ONE** mark.*

Up to 2

Q6.

$$2\frac{1}{10} \text{ OR } \frac{21}{10}$$

*Accept equivalent fractions or an **exact** decimal equivalent, e.g. 2.1*

Do not accept

$$1\frac{11}{10}$$

[1]

Q7.

$$\frac{11}{12}$$

*Accept equivalent fractions or the **exact** decimal equivalent e.g.*

$$0.9\overline{16}$$

accept any unambiguous indication of the recurring digit).

Do not accept rounded or truncated decimals.