

10 Question Challenge Answers

Q1.

- (a) 132
- (b) Indicates two different squares with a total of 132
- (c) 264

[3]

Q2.

- (a) 124

2

or Shows a complete correct method with not more than one computational error

eg

- $$\begin{array}{r} 24 \\ 42 \\ \underline{58} \\ 126 \text{ (error)} \end{array}$$
- $24 + 42 = 64 \text{ (error)}, 64 + 58 = 122$

1

- (b) £ 7(.00)

1

[3]

Q3.

164

1

54

1

[2]

Q4.

- (a) Jun(e) 26th

1

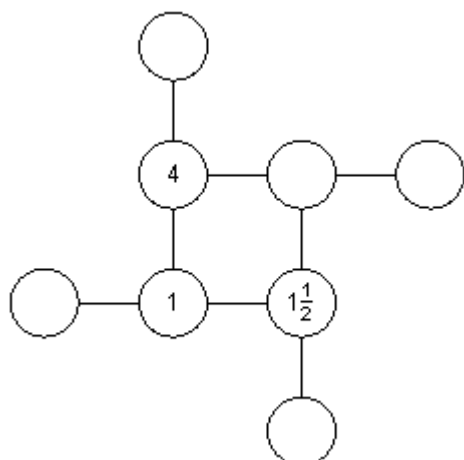
- (b) Nov(ember)

1

[2]

Q5.

Gives all three correct values, ie



Accept equivalent fractions or decimals

2 (U1)

or Gives any two correct values in the correct places

1

[2]

Q6.

(a) Indicates two symbols for Girls

1

(b) 5

1 (U1)

[2]

Q7.

(a) 16

1

(b) Puts brackets in the correct positions to make the calculation correct, ie

$$2 + 16 \div (2 + 6) = 4$$

1

[2]

Q8.

(a) Completes the row for 5 correctly
eg

- $a + b$
- $b + a$

- $3b - 2a$
- $a + 3$
- $b + 2$
- $2 \times a + 1$

1

Completes the row for 8 correctly

eg

- $2b + a$
- $4 \times a$
- $a + 6$
- $b + 5$
- $a \times b + a$
- $2 \times a \times a$

1

(b) Gives $a = 3$

1

Gives $b = 4$

1

[4]

Q9.

50

2

or Shows or implies that the dimensions of the rectangle are 5(cm) and 10(cm)

eg

- $5 + 10 + 5 + 10 = 30$
- $10 \times 10 \div 2$

or

Shows or implies the calculation $30 \div 6$ or $30 \div 3$

eg

- $5 + 5 + 5 + 5 + 5 + 5 = 30$

1

[2]

Q10.

35

2

or Shows the values 50 and 95 or the value 145

or

Shows a complete correct method with not more than one computational error
eg

- $180 - 130 = 50,$
 $180 - 85 = 105$ (*error*),
 $180 - 50 - 105 = 25$
- $(130 + 85) - 180$

1