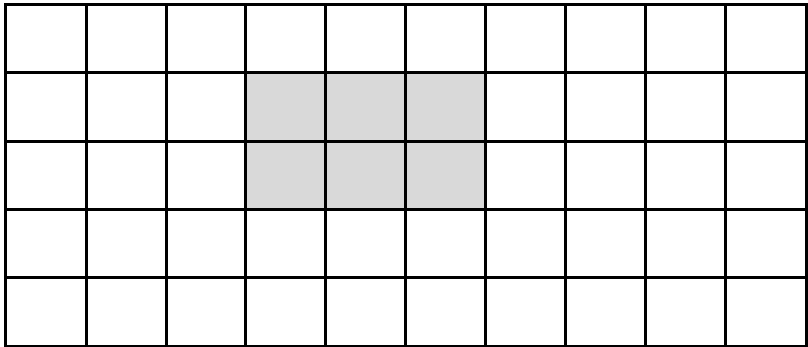Mark schemes

Q1.

(a) Draws the correct rectangle in any orientation
eg

-

1

(b) Gives a value x such that x + 6 is a square number

eg

- 3

- 10

- 94

1 (U1)

[2]

Q2.

(a) Maths

1

(b) 21 to 24 inclusive
Accept percentage qualified
eg
- *About 23*

1

[2]

Q3.

(a) £ 5.99

1

(b) £ 24.95

1

(c) £ 3.99

1

[3]

Q4.

Gives a multiple of 4 and a multiple of 5 to make the addition correct
eg

- | 12 | + | 8 | = | 20 |

- | 12 | + | 28 | = | 40 |

- | 12 | + | 48 | = | 60 |

- | 12 | + | 108 | = | 120 |

1 (U1)

Gives a multiple of 3 and a multiple of 4 to make the addition correct, ie

| 6 | + | 24 | = | 30 |

or

| 18 | + | 12 | = | 30 |

or

| 30 | + | 0 | = | 30 |

1 (U1)

[2]

Q5.

£ 13

2 (U1)

For 1 mark: Shows the value 8

or

Shows or implies a complete correct method with not more than one
computational error
eg
- 21 – (29 – 21)
- 29 – 21 = 7 *(error)*, 21 – 7 = 14
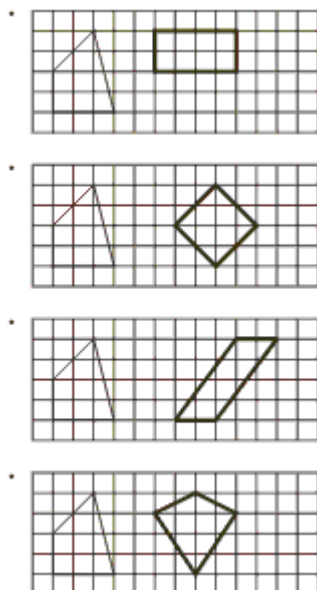
1

[2]

Q6.

(a) 2

1

(b) –28

1

[2]

Q7. Draws a different quadrilateral with an area of 8 squares
eg

If vertices arecnot on intersections of grid or on grid lines

Accept provided the vertices are within 2mm of positions that would give their shape an area of 8

2

[2]

Q8. Gives both correct lengths, ie
$x = 10$ and $y = 3.9$ or equivalent

2

[2]

Q9. 3311

2 (U1)

For 1 mark: Shows the value 441

Or shows a correct method with not more than one computational error
eg

• $2870 + 21^2$

Do not accept conceptual error
eg

• *$2870 + 21^2 = 2870 + 42$*
  $= 2912$

1

[2]

Q10. 0.1 and 0.9 or equivalent, in either order

(U1)

[1]