Day 2 Answers

Task 1

Developing and Practice task

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1. (2, 1), (6, 1), (6, 3), (4, 3) and (−2, 1), (−6, 1), (−6, 3), (−4, 3)
2. (1, 1), (4, 4), (4, 6), (1, 3) and (−1, 1), (−4, 4), (−4, 6), (−1, 3)
3. (4, 1), (7, 1), (4, 5) and (2, 1), (−1, 1), (2, 5)
4. (2, 0), (2, 4), (4, 2) and (0, 0), (0, 4), (−2, 2)

Task 2

Arithmetic

15. 9.831

16. *For 2 marks*: 4536

For 1 mark:

$$\begin{array}{r} 72 \\ \times\ 63 \\ 216 \\ 4320 \\ \hline 4536 \end{array}$$

17. 107.4

18. 9 (accept 3^2)

19. 190

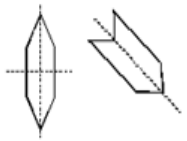
20. $4\frac{2}{5}$

21. 30

Task 3

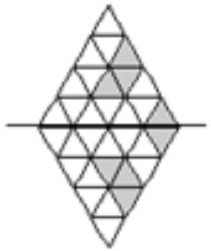
Problem Solving

Task 1



All lines to be correct. If any incorrect lines are drawn then no mark is awarded.

Task 2



Task 3

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(a) (11,9)

(b) (15,3)

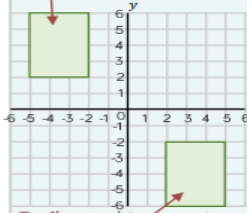
Accept answers written on the diagram with or without brackets and commas. Co-ordinates must be in the correct order.

Task 4

Reasoning

Task 1

The two original rectangles are:
Reflected in x-axis



Reflected in y-axis
x-axis reflection original coordinates: (-5, 6), (-2, 6), (-5, 2), (-2, 2)

y-axis reflection original coordinates: (2, -2), (5, -2), (2, -6), (5, -6)

Task 2

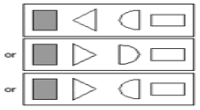
Annie has used the correct axis, but her shape has not been reflected. She has just drawn the shape again on the other side of the axis.

Task 3

Award **TWO** marks for the correct drawing as below:

Accept inaccurate but recognisable triangles and semi-circles.

If the drawing is incorrect, award **ONE** mark for the correct location of **BOTH** shapes (triangle on left of semi-circle), ie



OR award **ONE** mark for the correct **orientation** of **BOTH** shapes, ie

***No** marks are awarded for drawings of only **ONE** shape.*

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