Day 1 Answers

Task 1

Developing Task

1.

	name	faces	vertices	edges
a	cube	6	8	12
b	cuboid	6	8	12
c	cone	2	1	1
d	cylinder	3	0	2
e	sphere	1	0	0
f	square-based pyramid	5	5	8
g	tetrahedron	4	4	6
h	triangular prism	5	6	9
i	hexagonal prism	8	12	18

Think. The net of a square-based pyramid.

Practice

1. E, cube
2. A, cuboid
3. B, square-based pyramid
4. C, tetrahedron
5. D, triangular prism

Task 2

Arithmetic

8. 835
9. 120
10. 3
11. 7619
12. 6
13. 5
14. 963r3 or 963.6 or $963\frac{3}{5}$

Task 3

Problem Solving

Task 1

Award **TWO** marks for the table completed, as shown:

Number of faces	Number of vertices	Number of edges
6	8	12

Award **ONE** mark for two correct numbers, correctly placed.

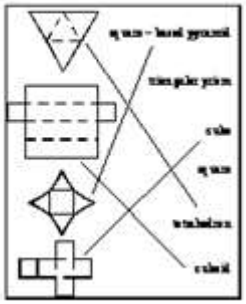
Task 2

Triangular prism

Accept recognisable misspellings.
Accept prism.

Task 3

1 mark for drawing all arrows as shown.



Task 4

Pyramid

Accept square pyramid.
Accept misspellings.

Task 4

Reasoning

Task 1

Dora is incorrect because a cube has 6 faces, this net would only have 5

Task 2

There are 11 possible nets.

Task 3

B and C

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