

(ii) circle, rhombus, trapezium, semi-circle, pentagon, triangle

(iii) cuboid, pyramid, cylinder, tetrahedron, cube, sphere, cone, triangular prism

(iv) cuboid, cylinder, cube, triangular prism

(v) cone, sphere, cylinder

(vi) circle, semi-circle

(vii) pyramid

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1.

(a) cube, 6, 12, 8, squares

(b) cuboid, 6, 12, 8, rectangles, squares

(c) cylinder, 3, 2, 0, circles, rectangles

(d) sphere, 1, 0, 0

(e) prism, 5, 9, 6, triangles, rectangles

(f) pyramid, 5, 8, 5, triangles, rectangle

(g) pyramid, 4, 6, 4, triangles

(h) prism, 7, 15, 10, rectangles, pentagons

(i) cone, 2, 1, 1

2.

(a) (i) cylinder
(ii) any shape
(iii) triangular prism
(iv) cuboid
(v) cylinder
(vi) cylinder
(vii) cuboid
(viii) cuboid

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1.

(a) (i) triangular
(ii) pentagonal
(iii) rectangular
(iv) hexagonal

2.

(a) triangle

(b) (i) 4
(ii) 6
(iii) 4

(c) 3

3.

(a) triangular
(b) hexagonal
(c) square
(d) octagonal

4.

(a) irregular
(b) regular
(c) regular
(d) irregular

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1.

(a) (i) tetrahedron
(ii) cuboid
(iii) hexagonal prism
(iv) pentagonal pyramid
(v) cube
(vi) square pyramid
(vii) triangular prism

(b) (i) sphere
(ii) cone
(iii) cylinder

2.

(a) no
(b) (i) 2
(ii) 1
(iii) 0

(c) half an orange/coconut/globe, etc; igloo; bowl.

3. (d) and (e)

4.

(a) pyramids
(b) 8
(c) triangle
(d) yes

Challenge 1: Dodecahedrons, icosahedrons

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1.

(a) cone, cylinder, cuboid, pyramid, cube
(b) pyramid, cylinder, cube, cuboid, cone, sphere, triangular prism, hemisphere

2.

(i) to (e);
(ii) to (c);
(iii) to (b);
(iv) to (d);
(v) to (f);
(vi) to (a).

3. (b) and (c)

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1.

(a) flat
(b) solid
(c) lines
(d) cannot
(e) drawings
(f) don't have
(g) 2-D
(h) cannot
(i) can

2.

(i) (a) circle
(b) cuboid
(c) pyramid
(d) cylinder
(e) rhombus
(f) trapezium
(g) pyramid
(h) cube
(i) semi-circle
(j) sphere
(k) cone
(l) prism
(m) pentagon
(n) triangle

WEEK 26 pages 77–79

Monday

1. 23:10 hours
2. 108
3. 10
4. 70
5. 4.5

6. 1,700
7. 4
8. $\frac{1}{2}$
9. 600
10. 4.7
11. 10,000
12. 6
13. 2 out of 6
14. 45
15. 2
16. 6
17. 12
18. 9
19. 3
20. 3

Tuesday

1. 05:20 hours
2. 60
3. 1
4. 9,997
5. 0.44
6. 75,000
7. 12
8. 10
9. 5
10. 10,000
11. 4
12. 7
13. 42
14. 24.50
15. 25
16. Teacher check

17. no
18. 29.77
19. -3°C
20. 2

Wednesday

1. 00:35 hours
2. 10
3. 25
4. 9,998
5. 22
6. 29,000
7. 58
8. 56
9. 75
10. 0.99
11. 2
12. 18
13. 900
14. 151,000
15. 20.7
16. E
17. 180
18. 0.003
19. 3
20. 6.41

Thursday

1. 12:10 hours
2. 0.77
3. 18,000
4. 6
5. 28
6. 75
7. 9,993
8. 10
9. $4\frac{1}{4}$
10. 10
11. False
12. 4
13. thousandths
14. $\frac{32}{7}$
15. thousands
16. 4,700
17. 750
18. 55
19. 3
20. triangular prism

Problem solving

Monday

1. 300
2. 171,500

Tuesday

1. 0.7
2. 0.7

Wednesday

1. 1
2. 1

Thursday

1. 9 and 6
2. 1 triangle, 8 squares, 3 triangles