

Year 6 Homework Sheets – Answers

Sheet 1

1. 1.0 1.4 1.8 2.2 2.6 3.0 3.4 2. 235 215 195 175 155 135 115
 3. -37 -27 -17 -7 3 13 23 4. 6.5 5.6 4.7 3.8 2.9 2.0 1.1
 5. 77 85 93 101 109 117 125 6. 9 6 3 0 -3 -6 -9
 7. 1.35 1.4 1.45 1.5 1.55 1.6 1.65 8. 146 127 108 89 70 51 32
 9. -2 3 8 13 10. 13.1 12.0 10.9 9.8 11. 325 400 475 550
 12. 14 10 6 2 13. 0.95 1.0 ... 1.25 1.3 14. 190 169 ... 64 43
 15. -2 5 12 19 16. 21 18.5 16 13.5

Sheet 2

1. -32°C 2. -18°C 3. -6°C 4. 12°C 5. 28°C 6. 44°C
 7. 26°C 8. 30°C 9. 34°C 10. 18°C 11. 46°C 12. 18°C
 13. 32°C 14. 16°C 15. 26°C 16. 72°C 17. 34°C
 18. 9°C, -16°C, -38°C, 15°C, -72°C, -12°C 19. 11°C, 21°C, -9°C, 23°C, -57°C, 17°C
 20. (a) 0°C (b) 100°C

Sheet 3

1. 85.0 2. 177.9 3. 435.5 4. 237.6 5. 442.8 6. 18.16
 7. 44.66 8. 23.68 9. 25.41 10. 32.22 11. 319.5 12. 28.56
 13. 349.2 14. 33.84 15. 55.44

Sheet 4

1. 5.7 2. 7.5 3. 2.9 4. 4.7 5. 6.8 6. 9.7
 7. 4.7 8. 8.7 9. 2.6 10. 5.9 11. 9.3 12. 7.6

Sheet 5

- | | | | | | | | | | | |
|----|----|----|----|----|-----|----|----|----|----|----|
| 1. | × | 5 | 7 | 3 | 10 | 4 | 8 | 2 | 6 | 9 |
| | 3 | 15 | 21 | 9 | 30 | 12 | 24 | 6 | 18 | 27 |
| | 8 | 40 | 56 | 24 | 80 | 32 | 64 | 16 | 48 | 72 |
| | 10 | 50 | 70 | 30 | 100 | 40 | 80 | 20 | 60 | 90 |
| | 2 | 10 | 14 | 6 | 20 | 8 | 16 | 4 | 12 | 18 |
| | 9 | 45 | 63 | 27 | 90 | 36 | 72 | 18 | 54 | 81 |
| | 5 | 25 | 35 | 15 | 50 | 20 | 40 | 10 | 30 | 45 |
| | 7 | 35 | 49 | 21 | 70 | 28 | 56 | 14 | 42 | 63 |
| | 4 | 20 | 28 | 12 | 40 | 16 | 32 | 8 | 24 | 36 |
| | 6 | 30 | 42 | 18 | 60 | 24 | 48 | 12 | 36 | 54 |
2. 2.4 3. 3.6 4. 7.2
 5. 4.9 6. 0.8 7. 0.7
 8. 0.9 9. 0.7 10. 5.6
 11. 2.7 12. 5.4 13. 4.0
 14. 5.6 15. 3.0 16. 3.6
 17. 7.2 18. 0.7 19. 0.3
 20. 0.9 21. 0.9 22. 0.7
 23. 0.8 24. 0.5 25. 0.8

Sheet 6

8. 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73, 79, 83, 89, 97
25 prime numbers to 100

Sheet 7

1. A scalene B hexagon C rhombus D octagon E trapezium
F parallelogram G kite H heptagon I isosceles J pentagon
K equilateral L quadrilateral 2. (a) ACEFGHIJL (b) BCDEFHJ
(c) BCDF (d) BCDFGHIJK (e) BCDFGHIJK (f) BDIJK

Sheet 8

1. 9 2. 6 3. 15 4. 8 5. 24 6. 12 7. 12
8. 18 10. 6.5 cm (allow +/- 1 mm) 11. 66° 66° 3rd side – allow 5.0 cm – 5.3 cm

Sheet 9

1. 2600 ml 2. 810 ml 3. 1050 ml 4. 4.72 litres 5. 3.9 litres 6. 0.75 litres
7. 930 ml 8. 5640 ml 9. 10 ml 10. 8.15 litres 11. 0.22 litres 12. 7.09 litres
13. 0.75 litres, 0.5 litres, 0.25 litres 14. 1.8 litres, 1.2 litres, 0.2 litres 15. 1.2 litres, 0.75 litres, 0.45 litres
16. 450 ml, 225 ml, 75 ml 17. $X = a, Y = d, Z = f$ 18. $X = b, Y = f, Z = h$

Sheet 10

1. Temp (°C)	Total
-4 – 0	2
1 – 5	6
6 – 10	15
11 – 15	19
16 – 20	14
21 – 25	5

Sheet 11

- | | | | |
|------------|------------|-------------|-------------|
| 1. Range 5 | 2. Range 8 | 3. Range 12 | 4. Range 10 |
| Mode 8 | Mode 1 | Mode 8 | Mode 5 |
| Median 7 | Median 2 | Median 5 | Median 6 |
| Mean 7 | Mean 3 | Mean 6 | Mean 7 |

Sheet 12

1. 0.2 m, 0.8 m 2. 15 mm, 80 mm 3. 3 cm, 8.5 cm 4. 400 g, 880 g
5. 0.1 kg, 0.65 kg 6. 335 ml, 750 ml 7. 0.03 litres, 0.17 litres 8. 120 g, 390 g
9. 1.0 N, 3.5 N 10. 0.15 kg, 0.4 kg 11. 0.025 kg, 0.075 kg 12. 2.5 litres, 6.25 litres

Sheet 13

1. 0.249 km 2. 6510 m 3. 7.43 m 4. 5800 cm 5. 2.5 cm 6. 0.025 m 7. 9 mm
8. 30 mm 9. 1560 g 10. 2.368 kg 11. 370 g 12. 0.086 kg 13. 4360 ml 14. 0.24 litres
15. 700 ml 16. 0.05 litres 17. 50 18. 2.75 m 19. 6.25 kg 20. 4.43 litres

Sheet 14

- | | | | | | |
|--------------|--------------|-----------|-----------|--------------|--------------|
| 1. yards | 2. inches | 3. miles | 4. feet | 5. ounces | 6. pounds |
| 7. gallons | 8. pints | 9. > | 10. < | 11. > | 12. > |
| 13. > | 14. < | 15. > | 16. > | 17. < | 18. < |
| 19. > | 20. < | 21. 25 cm | 22. 10 cm | 23. 30 cm | 24. 75 cm |
| 25. 13 lb | 26. 22 lb | 27. 55 lb | 28. 9 lb | 29. 6 litres | 30. 5 litres |
| 31. 2 litres | 32. 9 litres | | | | |

Sheet 15

- | | | | |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. 15 km ² (allow +/- 1 km ²) | 2. 17 km ² | 3. 13 km ² | 4. A = 54 cm ² P = 32 cm |
| 5. A = 58 cm ² P = 34 cm | 6. A = 48 cm ² P = 30 cm | 7. A = 66 cm ² P = 42 cm | |

Sheet 16

- | | | | | | |
|-----------|------------------------|----------|------------|----------|-----------------|
| 1. 240 ml | 2. 3600 m ² | 3. 2.4°C | 4. 3.84 kg | 5. £2.17 | 6. 360 g, 240 g |
|-----------|------------------------|----------|------------|----------|-----------------|

Sheet 17

- | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|
| 1. 1.5 | 2. 2.4 | 3. 5.6 | 4. 1.8 | 5. 3.6 | 6. 3.5 | 7. 3.0 | 8. 3.2 |
| 9. 0.2 | 10. 0.5 | 11. 0.6 | 12. 0.9 | 13. 5 | 14. 8 | 15. 6 | 16. 7 |
| 17. 4.2 | 18. 1.6 | 19. 4.5 | 20. 2.4 | 21. 7.2 | 22. 2.1 | 23. 2.8 | 24. 3.0 |
| 25. 0.3 | 26. 0.9 | 27. 0.7 | 28. 0.8 | 29. 4 | 30. 5 | 31. 6 | 32. 8 |
| 33. 7.2 | 34. 2.0 | 35. 2.7 | 36. 4.9 | 37. 1.2 | 38. 2.0 | 39. 5.4 | 40. 4.8 |
| 41. 0.6 | 42. 0.9 | 43. 0.8 | 44. 0.3 | 45. 9 | 46. 4 | 47. 8 | 48. 7 |

Sheet 18

- | | | | | | | | |
|---------|----------|----------|----------|--------|--------|---------|---------|
| 1. 7.8 | 2. 14.5 | 3. 4.3 | 4. 8.6 | 5. 5.9 | 6. 6.5 | 7. 2.15 | 8. 1.54 |
| 9. 4.65 | 10. 4.65 | 11. 1.28 | 12. 7.25 | | | | |

Sheet 19

- | | | | | | | |
|---------------------|---------------------|--------------------|--------------------|---------------------|----------------------|---------------------|
| 1. $\frac{8}{16}$ | 2. $\frac{12}{15}$ | 3. $\frac{35}{50}$ | 4. $\frac{2}{12}$ | 5. $\frac{5}{40}$ | 6. $\frac{12}{16}$ | 7. $\frac{7}{21}$ |
| 8. $\frac{8}{14}$ | 9. $\frac{30}{100}$ | 10. $\frac{6}{27}$ | 11. $\frac{5}{20}$ | 12. $\frac{16}{40}$ | 13. $\frac{20}{100}$ | 14. $\frac{10}{15}$ |
| 15. $\frac{14}{16}$ | 16. $\frac{20}{28}$ | 17. $\frac{3}{5}$ | 18. $\frac{3}{4}$ | 19. $\frac{5}{8}$ | 20. $\frac{1}{2}$ | 21. $\frac{9}{10}$ |
| 22. $\frac{2}{3}$ | 23. $\frac{5}{6}$ | 24. $\frac{4}{9}$ | 25. $\frac{2}{7}$ | 26. $\frac{3}{4}$ | 27. $\frac{7}{10}$ | 28. $\frac{4}{5}$ |
| 29. $\frac{7}{8}$ | 30. $\frac{2}{5}$ | 31. $\frac{1}{3}$ | 32. Diane | 33. Henry | | |

Sheet 20

- | | | | | | |
|----------|----------|-----------|-----------|------------|------------|
| 1. 180 | 2. 120 | 3. 36 | 4. 35 | 5. 37 cm | 6. 150 m |
| 7. 15 mm | 8. 100 g | 9. 530 g | 10. 280 g | 11. 750 ml | 12. 100 ml |
| 13. 3.9 | 14. 15 | 15. 5.5 | 16. 360 | 17. 2.6 | 18. 1.5 |
| 19. 48p | 20. £14 | 21. 90p | 22. 90p | 23. 90p | 24. 5p |
| 25. 192 | 26. 3.75 | 27. £5.85 | 28. 200 | | |

Sheet 21

1. $2\frac{143}{1000}$, 2.143 2. $5\frac{52}{1000}$, 5.052 3. $5 + \frac{3}{10} + \frac{5}{100}$ 4. $1 + \frac{8}{10} + \frac{7}{100} + \frac{2}{1000}$
 5. $2 + \frac{6}{100} + \frac{4}{1000}$ 6. $4 + \frac{3}{10} + \frac{8}{1000}$ 7. $6 + 0.05 + 0.006$ 8. $0.1 + 0.02 + 0.005$
 9. $3 + 0.08$ 10. $9 + 0.04 + 0.007$ 11. $\frac{9}{1000}$ 12. $\frac{6}{10}$ 13. $\frac{7}{100}$ 14. $\frac{9}{10}$
 15. 4 16. $\frac{8}{1000}$ 17. $\frac{7}{10}$ 18. 20 19. $\frac{3}{1000}$ 20. 0.2
 21. 0.08 22. 0.005 23. 0.04 24. 0.5 25. 0.5

Sheet 22

1. 0.62, 0.65, 0.685 2. 0.183, 0.19, 0.198 4. 3.346, 3.46, 4.336, 4.36, 4.63
 5. 0.708, 0.78, 0.782, 0.827, 7.08 6. 3.455, 3.54, 5.343, 5.434, 5.44
 7. (a) 6 (b) 6.4 8. (a) 5 (b) 4.8 9. (a) 7 (b) 7.4
 10. (a) 9 (b) 8.5 11. (a) 23 (b) 23.2 12. (a) 9 (b) 9.3
 13. (a) 11 (b) 10.6 14. (a) 96 (b) 95.9 15. (a) 2 (b) 2.5
 16. (a) 9 (b) 8.6

Sheet 23

1. 89.4 2. 13.98 3. 11.28 4. 116.3 5. 182.5 6. 216.5
 7. 3.877 8. 24.75 9. 4.834 10. 42.22 11. 670.2 12. 5.455
 13. 49.16 14. 6.237 15. 80.04 16. 10.2 17. 1217.6 18. 140.69
 19. 11.722 20. 102.2

Sheet 24

1. 23.6 2. 6.53 3. 25.4 4. 5.33 5. 7.5 6. 46.71
 7. 2.543 8. 47.1 9. 49.79 10. 0.936 11. 41.74 12. 445.8
 13. 2.577 14. 224.8 15. 12.59 16. 7.176 17. 4.73 18. 37.18
 19. 2.994 20. 7.27

Sheet 25

1.

×	4	9	2	6	10	3	8	5	7
5	20	45	10	30	50	15	40	25	35
7	28	63	14	42	70	21	56	35	49
3	12	27	6	18	30	9	24	15	21
4	16	36	8	24	40	12	32	20	28
10	40	90	20	60	100	30	80	50	70
2	8	18	4	12	20	6	16	10	14
6	24	54	12	36	60	18	48	30	42
9	36	81	18	54	90	27	72	45	63
8	32	72	16	48	80	24	64	40	56

 2. 3.2 3. 0.42 4. 5.4
 5. 0.24 6. 0.8 7. 0.06
 8. 0.9 9. 0.07 10. 6.3
 11. 7.2 12. 0.45 13. 0.48
 14. 5.4 15. 0.42 16. 2.4
 17. 0.27 18. 0.08 19. 0.05
 20. 0.35 21. 0.09 22. 6.4
 23. 0.49 24. 0.21 25. 6.3

Sheet 26

1. 14 cm 2. 0.44 km 3. 119 g 4. 3.6 m 5. £27.30 6. 25

Sheet 27

- | | | | | | |
|------------------------------------|----------------------------|---------------------------|---------------------------|---------------------------|----------------------------|
| 1. 16 | 2. 64 | 3. 36 | 4. 9 | 5. 81 | 6. 400 |
| 7. 3600 | 8. 2500 | 9. 100 | 10. 8100 | 11. 900 | 12. 4900 |
| 13. 1600 | 14. 6400 | 15. 10 000 | 16. 5 | 17. 9 | 18. 7 |
| 19. 4 | 20. 8 | 21. 30 | 22. 80 | 23. 20 | 24. 60 |
| 25. 90 | 26. 50 | 27. 10 | 28. 100 | 29. 40 | 30. 70 |
| 31. $2 \times 3 \times 3$ | 32. 2×13 | 33. $2 \times 2 \times 7$ | 34. $2 \times 5 \times 5$ | 35. $3 \times 3 \times 7$ | 36. $2 \times 2 \times 11$ |
| 37. $2 \times 2 \times 3 \times 5$ | 38. $2 \times 2 \times 19$ | 39. 5 and 17 | 40. 3 and 47 | 41. 3 and 37 | 42. 7 and 19 |

Sheet 28

1. (4, 2) 2. (1, 3) 3. (2, 4) 4. (0, 0) 5. (4, 1) 6. (2, 0)

Sheet 29

- | | | | |
|---------------------|-----------------------|---------------------|---------------------|
| 1. (allow +/- 1 km) | 2. (allow +/- 1 mile) | 3. (allow +/- 1 Fr) | 4. (allow +/- 1 £1) |
| (a) 80 km | (a) 25 miles | (a) 220 Fr | (a) £45 |
| (b) 48 km | (b) 10 miles | (b) 440 Fr | (b) £60 |
| (c) 32 km | (c) 40 miles | (c) 198 Fr | (c) £18 |
| (d) 56 km | (d) 15 miles | (d) 84 Fr | (d) £40 |
| (e) 8 km | (e) 45 miles | (e) 176 Fr | (e) £91 |

Sheet 30

- | | | | | | |
|-------|-------|-----------------------------------|--------------|-----------------------------------|------|
| 1. 16 | 2. 23 | 3. one quarter | 4. one sixth | 5. 73 | 6. 6 |
| 7. 27 | 8. No | Children $\frac{1}{4}$ of 48 = 12 | 9. Yes | Children $\frac{3}{8}$ of 48 = 18 | |
| | | Adults $\frac{1}{4}$ of 72 = 18 | | Adults $\frac{1}{4}$ of 72 = 18 | |

Sheet 31

- | | | |
|---------------------------------------|-----------------------|-------------------------------|
| 1. (a) a black card | 2. (a) an even number | 3. (b) a number larger than 3 |
| 4. Spinning a coin and getting a head | 5. (b) an ace | 6. (a) a tail and a head |

Sheet 32

- | | | | | | |
|----------|-----------|---------------|---------|-------------|----------------|
| 1. 280 m | 2. 400 | 3. 7.2 litres | 4. 27 | 5. 82.65 kg | 6. 1.26 litres |
| 7. 90 g | 8. 4.2 km | 9. 650 ml | 10. 250 | 11. 12 g | 12. 40 m |

Sheet 33

- | | | | | | |
|-----------|----------|----------|----------|--------|--------|
| 1. A 105° | 2. D 42° | 3. G 69° | 4. J 46° | 5. 61° | 6. 87° |
| B 35° | E 64° | H 62° | K 82° | | |
| C 40° | F 74° | I 49° | L 52° | | |

Sheet 34

- | | | | | | |
|----------|----------|----------|---------|----------|---------|
| 1. 160° | 2. 280° | 3. 35° | 4. 195° | 5. 302° | 6. 67° |
| 7. 60° | 8. 50° | 9. 50° | 10. 70° | 11. 100° | 12. 50° |
| 13. 306° | 14. 228° | 15. 113° | 16. 55° | 17. 35° | 18. 45° |

Sheet 35

- | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|
| 1. (2, 3) | 2. (0, 4) | 3. (2, 3) | 4. (2, 5) | 5. (4, 2) | 6. (6, 1) |
|-----------|-----------|-----------|-----------|-----------|-----------|

Sheet 37

- | | | | | | |
|--|---|---|-------------------------|--------------------------|--|
| 1. $7\frac{1}{2}$ | 2. $5\frac{3}{4}$ | 3. $2\frac{1}{3}$ | 4. $6\frac{7}{10}$ | 5. $4\frac{4}{5}$ | 6. $3\frac{1}{3}$ |
| 7. $12\frac{1}{2}$ | 8. $1\frac{2}{3}$ | 9. $2\frac{1}{2}$ | 10. $6\frac{2}{3}$ | 11. $3\frac{1}{2}$ | 12. $2\frac{2}{5}$ |
| 13. $\frac{2}{5}$ | 14. $\frac{1}{3}$ | 15. $\frac{3}{4}$ | 16. $\frac{1}{5}$ | 17. $\frac{2}{3}$ | 18. $\frac{1}{4}$ |
| 19. $\frac{1}{3}$ | 20. $\frac{3}{4}$ | 21. $\frac{4}{5}$ | 22. $\frac{5}{6}$ | 23. $\frac{9}{20}$ | 24. $\frac{1}{4}$ |
| 25. $\frac{5}{8}$ | 26. $\frac{1}{6}$ | 27. $\frac{4}{5}$ | 28. e.g. $\frac{1}{2}$ | 29. e.g. $\frac{7}{8}$ | 30. e.g. $\frac{3}{4}$ |
| 31. e.g. $\frac{7}{24}$ | 32. e.g. $\frac{5}{24}$ | 33. e.g. $\frac{19}{20}$ | 34. e.g. $\frac{7}{16}$ | 35. e.g. $\frac{14}{17}$ | 36. $\frac{4}{15}, \frac{1}{3}, \frac{2}{5}$ |
| 37. $\frac{1}{2}, \frac{7}{12}, \frac{2}{3}$ | 38. $\frac{3}{4}, \frac{4}{5}, \frac{17}{20}$ | 39. $\frac{5}{8}, \frac{11}{16}, \frac{3}{4}$ | | | |

Sheet 38

- | | | | |
|-----------------------------|------------------------------|---------------------------------|--------------------------------|
| 1. $\frac{2}{4}, 0.5, 50\%$ | 2. $\frac{9}{10}, 0.9, 90\%$ | 3. $\frac{36}{100}, 0.36, 36\%$ | 4. $\frac{7}{10}, 0.7, 70\%$ |
| 5. $\frac{3}{5}, 0.6, 60\%$ | 6. $\frac{3}{4}, 0.75, 75\%$ | 7. $\frac{9}{100}, 0.09, 9\%$ | 8. $\frac{17}{20}, 0.85, 85\%$ |
| 9. | 10. 20%, 10%, 40% | | |

Fractions	$\frac{1}{2}$	$\frac{17}{100}$	$\frac{9}{10}$	$\frac{3}{100}$	$\frac{72}{100}$	$\frac{2}{5}$	$\frac{1}{4}$	$\frac{3}{10}$	$\frac{4}{5}$
Decimals	0.5	0.17	0.9	0.03	0.72	0.4	0.25	0.3	0.8
Percentages	50%	17%	90%	3%	72%	40%	25%	30%	80%

Sheet 39

- | | | | | | |
|---------|--------|-----------|------------|-----------|------------|
| 1. 5 | 2. 9 | 3. 7 | 4. 4 | 5. 40 | 6. 18 |
| 7. 8 | 8. 18 | 9. 175 m | 10. 400 g | 11. £2.50 | 12. 600 ml |
| 13. 6 | 14. 24 | 15. 70 | 16. 10 | 17. 120 | 18. 50 |
| 19. 10p | 20. £2 | 21. 3 m | 22. 400 ml | 23. 60 g | 24. 42p |
| 25. 35 | 26. 24 | 27. £3.20 | 28. £12.50 | | |

Sheet 40

- | | | | | |
|-----------------|---------------------|-------------|-------------|-----------------|
| 1. 225 g butter | 150 g peanut butter | 375 g sugar | 300 g flour | 75 g peanuts |
| 2. 45 g butter | 30 g peanut butter | 75 g sugar | 60 g flour | 15 g peanuts |
| 3. (a) 27 | (b) 30 | 4. 16 m | 5. 48 | 6. 40 cm, 1.6 m |
| 7. 24 | 8. 14 | 9. 16 | | |

Sheet 41

- | | | |
|-----------------------------------|------------------------------------|-----------------------------------|
| 1. 1.178, 1.78, 7.118, 7.81, 8.17 | 2. 0.506, 0.536, 0.56, 0.563, 5.06 | 3. 2.922, 2.99, 9.22, 9.229, 9.29 |
| 4. 1.1, 1.11, 1.111, 11.1, 11.11 | 5. 3.333, 3.34, 3.344, 3.4, 3.43 | 6. 2.5 |
| 8. 10.85 | 9. 2.89 | 10. 3.409 |
| 14. 0.625 | 15. 8.135 | 16. 0.012 |
| 20. 0.004 | 21. 0.5 | 22. 0.004 |

Sheet 42

- | | | | | | |
|-----------|-----------|---------|----------|-----------|-----------|
| 1. 1.149 | 2. 4.35 | 3. 1.36 | 4. 8.891 | 5. 4.3 | 6. 0.072 |
| 7. 0.05 | 8. 1.5 | 9. 2.61 | 10. 1.21 | 11. 1.8 | 12. 0.007 |
| 13. 100 | 14. 2 | 15. 5 | 16. 10 | 17. 3.63 | 18. 1.424 |
| 19. 0.332 | 20. 14.15 | 21. 1.2 | 22. 60 | 23. 0.095 | 24. 0.25 |
| 25. 0.48 | 26. 0.475 | 27. 8.8 | 28. 1.1 | 29. 0.09 | 30. 0.548 |
| 31. 37 | 32. 0.15 | | | | |

Sheet 43

- | | | | | | |
|----------------|----------------|-----------|----------------|-----------|-----------|
| 1. 44.6 litres | 2. 1.75 m | 3. £2.60 | 4. 0.75 kg | 5. 0.7 kg | 6. 160 km |
| 7. £1.09 | 8. 0.25 litres | 9. 21.4°C | 10. 4.2 litres | 11. £5.05 | 12. 0.2 m |
| 13. £0.70 | 14. 2.55 kg | 15. 30 g | | | |

Sheet 44

- | | | | | | |
|---------|----------|-----------|-------|---------------------|----------|
| 1. 2208 | 2. £6.56 | 3. 450 ml | 4. 16 | 5. 0.57 kg, 0.85 kg | 6. £0.65 |
|---------|----------|-----------|-------|---------------------|----------|

Sheet 45

- | | | | |
|----------|------------|-------------------------|------------|
| 1. 140 g | 2. £220.59 | 3. 0.14 litres per mile | 4. 2.25 kg |
|----------|------------|-------------------------|------------|

Sheet 46

- | | | | | | |
|------------------------------------|------------------------------------|----------------------------|---|-----------|-----------|
| 1. True | 2. True | 3. False | 4. False | 5. True | 6. False |
| 7. True | 8. True | 9. False | 10. True | 11. False | 12. False |
| 13. True | 14. True | 15. True | 16. True | | |
| 17. $2 \times 2 \times 2 \times 2$ | 18. $3 \times 3 \times 3$ | 19. 5×7 | 20. 3×13 | | |
| 21. $2 \times 3 \times 7$ | 22. $2 \times 3 \times 3 \times 3$ | 23. $2 \times 3 \times 11$ | 24. $2 \times 2 \times 2 \times 3 \times 3$ | | |
| 25. $3 \times 5 \times 5$ | 26. $2 \times 2 \times 3 \times 7$ | 27. $2 \times 2 \times 23$ | 28. $2 \times 2 \times 5 \times 5$ | | |

Sheet 47

- | | | | | | |
|----------|---------|-------|---------|-------|--------|
| 5. 28 | 6. 600 | 7. 11 | 8. 1000 | 9. 97 | 10. 90 |
| 11. 0.16 | 12. 120 | | | | |

Sheet 48

- | | | | |
|-----------------------|------------------------|----------------|-------------------|
| 1. H pentagonal prism | A cube | E hemisphere | L octagonal prism |
| K octahedron | J cylinder | C cone | D tetrahedron |
| B triangular prism | I square based pyramid | G dodecahedron | F hexagonal prism |

Prism	Faces	Edges	Vertices
triangular	5	9	6
cuboid	6	12	8
pentagonal	7	15	10
hexagonal	8	18	12
heptagonal	9	21	14
octagonal	10	24	16
nonagonal	11	27	18
decagonal	12	30	20

3. (a) any 3 from A B F H I L
 (b) any 3 from A B F H I L
 (c) any 3 from A B F G H J K L
 (d) any 3 from A B F H L

Sheet 49

1. Chocolate 8 Strawberry 4 Vanilla 16 Others 4
 2. Boys 45 Girls 60 Men 15 Women 30
 3. Blue 80 Green 40 Red 100 White 160 Others 20
 4. Channel 1 36 Channel 2 18 Channel 3 48 Channel 4 12 Channel 5 6
 5. (a) 6 (b) 8 (c) 7 (d) Boys

Sheet 50 [allow +/- 1 mile or 1 km]

1. 40 miles 2. 100 miles 3. 25 miles 4. 80 miles 5. 10 miles 6. $37\frac{1}{2}$ miles
 7. 144 km 8. 32 km 9. 96 km 10. 48 km 11. 112 km 12. 80 km
 13. 17 14. 15 15. 16 16. 84 17. (a) $\frac{1}{14}$ (b) $\frac{1}{7}$ (c) $\frac{3}{4}$

Sheet 51

1. (a) likely (b) unlikely (c) impossible (d) certain
 2. (a) evens (b) impossible (c) evens (d) likely
 3. (a) evens (b) unlikely (c) likely (d) unlikely
 4. (a) likely (b) unlikely (c) likely (d) unlikely

Sheet 52

1. 3.7 cm, 37 mm 2. 1.25 m, 125 cm 3. 2.07 m, 207 cm 4. 1.56 km, 1560 m
 5. 0.675 kg, 675 g 6. 8.125 kg, 8125 g 7. 2.3 litres, 2300 ml 8. 6.85 litres, 6850 ml
 9. 2.2 cm 10. 0.47 m 11. 3.68 m 12. 15.9 km 13. 0.87 kg 14. 5.375 kg
 15. 2.5 litres 16. 0.04 litres 17. 44 18. 3.902 kg 19. £7.20 20. 1.92 litres

Sheet 53

1. feet 2. miles 3. yards 4. inches 5. pounds 6. ounces 7. pints
 8. gallons 9. < 10. > 11. > 12. < 13. < 14. >
 15. < 16. < 17. > 18. < 19. < 20. < 21. 10 gallons
 22. 1 lb 23. 100 yards 24. 10 feet

Sheet 54

1. 60 cm^2 , 30 cm^2 2. 40 cm^2 , 20 cm^2 3. 54 cm^2 , 27 cm^2 4. 84 cm^2 , 42 cm^2
 5. 36 m, 72 m^2 , 84 m, 288 m^2 6. 432 cm^2 7. 68 m, 92m, 240 m^2 , 240 m^2 8. (a) £240 (b) 375

Sheet 55

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|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 1. 97° | 2. 38° | 3. 63° | 4. 124° | 5. 265° | 6. 129° |
| 7. 212° | 8. 296° | 9. 47° | 10. 29° | 11. 63° | 12. 38° |
| 13. 45° | 14. 270° | 15. 90° | 16. 225° | 17. 180° | 18. 315° |
| 19. 135° | 20. 225° | 21. 90° | 22. 30° | 23. 60° | 24. 180° |
| 25. 210° | 26. 150° | 27. 120° | 28. 270° | | |

Sheet 57

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|-----------|-----------|-----------|-----------|-----------|-----------|
| 1. 4121 | 2. 7664 | 3. 5721 | 4. 9324 | 5. 9485 | 6. 8357 |
| 7. 8603 | 8. 7923 | 9. 621.3 | 10. 52.43 | 11. 9.303 | 12. 918.3 |
| 13. 64.66 | 14. 9.33 | 15. 761.4 | 16. 79.65 | 17. 1754 | 18. 1486 |
| 19. 4028 | 20. 298 | 21. 2272 | 22. 3096 | 23. 4267 | 24. 2889 |
| 25. 159.3 | 26. 37.56 | 27. 1.629 | 28. 259.2 | 29. 57.57 | 30. 2.865 |
| 31. 492.9 | 32. 15.82 | | | | |

Sheet 58

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|------------|------------|------------|------------|------------|------------|
| 1. 578 | 2. 4172 | 3. 3752 | 4. 4140 | 5. 3282 | 6. 5872 |
| 7. 27 090 | 8. 29 625 | 9. 22 112 | 10. 18 174 | 11. 34 047 | 12. 27 540 |
| 13. 6071 | 14. 4536 | 15. 8260 | 16. 6336 | 17. 5916 | 18. 12 501 |
| 19. 24 983 | 20. 10 675 | 21. 27 216 | | | |

Sheet 59

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|------------|------------|------------|------------|-------------|------------|
| 1. 26 r 4 | 2. 35 r 7 | 3. 42 r 9 | 4. 43 r 12 | 5. 25 r 8 | 6. 21 r 2 |
| 7. 38 r 11 | 8. 35 r 13 | 9. 24 r 25 | 10. 16 r 2 | 11. 35 r 15 | 12. 23 r 6 |

Sheet 60

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|----------|----------|----------|--------|-----------|--------|
| 1. 28 km | 2. £1.80 | 3. 625 g | 4. 12 | 5. 200 ml | 6. 250 |
| 7. 375 g | 8. 200 | 9. 25 | 10. 32 | | |