

Arithmetic

Arithmetic

Section 1

— Whole Numbers

Pages 1 to 3 — Written Addition

- 1) 55
- 2) 79 (1 mark)
- 3) 83 (1 mark)
- 4) 160 (1 mark)
- 5) 132 (1 mark)
- 6) 585 (1 mark)
- 7) 720 (1 mark)
- 8) 565 (1 mark)
- 9) 939 (1 mark)
- 10) 1199 (1 mark)
- 11) 751 (1 mark)
- 12) 810 (1 mark)
- 13) 1740 (1 mark)
- 14) 5555 (1 mark)
- 15) 264 (1 mark)
- 16) 795 (1 mark)
- 17) 972 (1 mark)
- 18) 8786 (1 mark)
- 19) 9000 (1 mark)
- 20) 61551 (1 mark)
- 21) 143811 (1 mark)
- 22) 30730 (1 mark)
- 23) 299 (1 mark)
- 24) 953 (1 mark)
- 25) 1820 (1 mark)
- 26) 94109 (1 mark)

Pages 4 to 7
— Written Subtraction

- 1) 23
- 2) 32 (1 mark)
- 3) 82 (1 mark)
- 4) 38 (1 mark)
- 5) 721 (1 mark)
- 6) 511 (1 mark)
- 7) 501 (1 mark)
- 8) 118 (1 mark)
- 9) 436 (1 mark)
- 10) 104 (1 mark)
- 11) 281 (1 mark)
- 12) 62 (1 mark)
- 13) 314 (1 mark)
- 14) 761 (1 mark)
- 15) 548 (1 mark)
- 16) 29 (1 mark)
- 17) 72 (1 mark)
- 18) 85 (1 mark)
- 19) 3224 (1 mark)
- 20) 1928 (1 mark)
- 21) 5626 (1 mark)
- 22) 3053 (1 mark)
- 23) 1999 (1 mark)
- 24) 2900 (1 mark)
- 25) 5922 (1 mark)
- 26) 8746 (1 mark)
- 27) 80368 (1 mark)
- 28) 68477 (1 mark)
- 29) 39013 (1 mark)
- 30) 18740 (1 mark)
- 31) 50812 (1 mark)
- 32) 19900 (1 mark)
- 33) 19560 (1 mark)
- 34) 74428 (1 mark)

Page 9 — Dividing
by 10, 100 and 1000

- 1) 7
- 2) 55 (1 mark)
- 3) 98 (1 mark)
- 4) 160 (1 mark)
- 5) 740 (1 mark)
- 6) 3 (1 mark)
- 7) 68 (1 mark)
- 8) 40 (1 mark)

Pages 10 and 11
— Using Times Tables

- 1) 33 (1 mark)
- 2) 24 (1 mark)
- 3) 45 (1 mark)
- 4) 110 (1 mark)
- 5) 35 (1 mark)
- 6) 48 (1 mark)
- 7) 27 (1 mark)
- 8) 144 (1 mark)
- 9) 2
- 10) 12 (1 mark)
- 11) 3 (1 mark)
- 12) 11 (1 mark)
- 13) 4 (1 mark)
- 14) 8 (1 mark)
- 15) 9 (1 mark)
- 16) 9 (1 mark)

Page 12 — Multiples and Factors

- 1) 7, 14, 21, 28, 35
- 2) 25, 50, 75, 100, 125 (1 mark)
- 3) 80, 160, 240, 320, 400 (1 mark)
- 4) 36, 72, 108, 144, 180 (1 mark)
- 5) 1, 2, 3, 4, 6, 8, 12, 24 (1 mark)
- 6) 1, 3, 7, 9, 21, 63 (1 mark)

Pages 13 and 14 —
Short Multiplication

- 1) 162
- 2) 416 (1 mark)
- 3) 126 (1 mark)
- 4) 228 (1 mark)
- 5) 340 (1 mark)
- 6) 3951 (1 mark)
- 7) 25575 (1 mark)
- 8) 4485 (1 mark)
- 9) 7944 (1 mark)
- 10) 8550 (1 mark)
- 11) 33980 (1 mark)
- 12) 28764 (1 mark)
- 13) 14098 (1 mark)
- 14) 16280 (1 mark)

Pages 15 and 16 —
Long Multiplication

- 1) 6916
 - 2) 6532
- Working:
$$\begin{array}{r} 284 \\ \times 23 \\ \hline 852 \\ 5680 \\ \hline 6532 \end{array}$$
- (2 marks for the correct answer.
1 mark if the answer is wrong but
a correct method has been used)
- 3) 48635
- Working:
$$\begin{array}{r} 685 \\ \times 71 \\ \hline 685 \\ 47950 \\ \hline 48635 \end{array}$$
- (2 marks for the correct answer.
1 mark if the answer is wrong but
a correct method has been used)

4) 24576

Working:
$$\begin{array}{r} 768 \\ \times 32 \\ \hline 1536 \\ 23040 \\ \hline 24576 \end{array}$$

(2 marks for the correct answer.
1 mark if the answer is wrong but
a correct method has been used)

5) 210816

Working:
$$\begin{array}{r} 5856 \\ \times 36 \\ \hline 35136 \\ 175680 \\ \hline 210816 \end{array}$$

(2 marks for the correct answer.
1 mark if the answer is wrong but
a correct method has been used)

6) 105570

Working:
$$\begin{array}{r} 1955 \\ \times 54 \\ \hline 7820 \\ 97750 \\ \hline 105570 \end{array}$$

(2 marks for the correct answer.
1 mark if the answer is wrong but
a correct method has been used)

7) 72512

Working:
$$\begin{array}{r} 3296 \\ \times 22 \\ \hline 6592 \\ 65920 \\ \hline 72512 \end{array}$$

(2 marks for the correct answer.
1 mark if the answer is wrong but
a correct method has been used)

8) 533256

Working:
$$\begin{array}{r} 7842 \\ \times 68 \\ \hline 62736 \\ 470520 \\ \hline 533256 \end{array}$$

(2 marks for the correct answer.
1 mark if the answer is wrong but
a correct method has been used)

9) 195536

Working:
$$\begin{array}{r} 4444 \\ \times 44 \\ \hline 17776 \\ 177760 \\ \hline 195536 \end{array}$$

(2 marks for the correct answer.
1 mark if the answer is wrong but
a correct method has been used)

10) 782144

Working:
$$\begin{array}{r} 8888 \\ \times 88 \\ \hline 71104 \\ 711040 \\ \hline 782144 \end{array}$$

(2 marks for the correct answer.
1 mark if the answer is wrong but
a correct method has been used)

Page 17 — Short Division
with No Remainders

- 1) 49
- 2) 18 (1 mark)
- 3) 23 (1 mark)
- 4) 64 (1 mark)
- 5) 88 (1 mark)
- 6) 104 (1 mark)
- 7) 87 (1 mark)
- 8) 99 (1 mark)

Pages 18 and 19 — Short Division
with Remainders

- 1) 26 r 4
- 2) 218 r 3 (1 mark)
- 3) 38 r 1 (1 mark)
- 4) 128 r 2 (1 mark)
- 5) 108 r 3 (1 mark)
- 6) 56 r 1 (1 mark)
- 7) 686 r 1 (1 mark)
- 8) 207 r 5 (1 mark)
- 9) $79\frac{4}{5}$
- 10) $222\frac{1}{2}$ (1 mark)
- 11) $219\frac{1}{3}$ (1 mark)
- 12) $26\frac{1}{6}$ (1 mark)
- 13) $896\frac{3}{4}$ (1 mark)
- 14) $873\frac{7}{9}$ (1 mark)
- 15) $721\frac{3}{7}$ (1 mark)
- 16) $306\frac{5}{8}$ (1 mark)

Arithmetic

Page 12 — Multiples and Factors

- 1) 7, 14, 21, 28, 35
- 2) 25, 50, 75, 100, 125 (1 mark)
- 3) 80, 160, 240, 320, 400 (1 mark)
- 4) 36, 72, 108, 144, 180 (1 mark)
- 5) 1, 2, 3, 4, 6, 8, 12, 24 (1 mark)
- 6) 1, 3, 7, 9, 21, 63 (1 mark)

Pages 13 and 14 —
Short Multiplication

- 1) 162
- 2) 416 (1 mark)
- 3) 126 (1 mark)
- 4) 228 (1 mark)
- 5) 340 (1 mark)
- 6) 3951 (1 mark)
- 7) 25575 (1 mark)
- 8) 4485 (1 mark)
- 9) 7944 (1 mark)
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- 12) 28764 (1 mark)
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Pages 15 and 16 —
Long Multiplication

- 1) 6916
 - 2) 6532
- Working:
$$\begin{array}{r} 284 \\ \times 23 \\ \hline 852 \\ 5680 \\ \hline 6532 \end{array}$$
- (2 marks for the correct answer.
1 mark if the answer is wrong but
a correct method has been used)
- 3) 48635
- Working:
$$\begin{array}{r} 685 \\ \times 71 \\ \hline 685 \\ 47950 \\ \hline 48635 \end{array}$$
- (2 marks for the correct answer.
1 mark if the answer is wrong but
a correct method has been used)

Arithmetic

Pages 20 and 21 — Long Division with No Remainders

- 1) 13
 2) 31
 Working:
$$\begin{array}{r} 31 \\ 21 \overline{) 651} \\ \underline{-63} \\ 21 \\ \underline{-21} \\ 0 \end{array}$$

(2 marks for the correct answer. 1 mark if the answer is wrong but a correct method has been used)

- 3) 46
 Working:
$$\begin{array}{r} 46 \\ 19 \overline{) 874} \\ \underline{-76} \\ 114 \\ \underline{-114} \\ 0 \end{array}$$

(2 marks for the correct answer. 1 mark if the answer is wrong but a correct method has been used)

- 4) 17
 Working:
$$\begin{array}{r} 17 \\ 32 \overline{) 544} \\ \underline{-32} \\ 224 \\ \underline{-224} \\ 0 \end{array}$$

(2 marks for the correct answer. 1 mark if the answer is wrong but a correct method has been used)

- 5) 119
 Working:
$$\begin{array}{r} 119 \\ 16 \overline{) 1904} \\ \underline{-16} \\ 30 \\ \underline{-16} \\ 144 \\ \underline{-144} \\ 0 \end{array}$$

(2 marks for the correct answer. 1 mark if the answer is wrong but a correct method has been used)

- 6) 302
 Working:
$$\begin{array}{r} 302 \\ 23 \overline{) 6946} \\ \underline{-69} \\ 04 \\ \underline{-0} \\ 46 \\ \underline{-46} \\ 0 \end{array}$$

(2 marks for the correct answer. 1 mark if the answer is wrong but a correct method has been used)

7) 86

Working:
$$\begin{array}{r} 86 \\ 29 \overline{) 2494} \\ \underline{-232} \\ 174 \\ \underline{-174} \\ 0 \end{array}$$

(2 marks for the correct answer. 1 mark if the answer is wrong but a correct method has been used)

- 8) 45
 Working:
$$\begin{array}{r} 45 \\ 37 \overline{) 1665} \\ \underline{-148} \\ 185 \\ \underline{-185} \\ 0 \end{array}$$

(2 marks for the correct answer. 1 mark if the answer is wrong but a correct method has been used)

Page 22 — Long Division with Remainders

- 1) 27 r 3
 2) 48 r 6

Working:
$$\begin{array}{r} 48 \\ 15 \overline{) 726} \\ \underline{-60} \\ 126 \\ \underline{-120} \\ 6 \end{array}$$

(2 marks for the correct answer. 1 mark if the answer is wrong but a correct method has been used)

3) 125 r 15

Working:
$$\begin{array}{r} 125 \\ 16 \overline{) 2015} \\ \underline{-16} \\ 41 \\ \underline{-32} \\ 95 \\ \underline{-80} \\ 15 \end{array}$$

(2 marks for the correct answer. 1 mark if the answer is wrong but a correct method has been used)

4) 92 r 44

Working:
$$\begin{array}{r} 92 \\ 66 \overline{) 6116} \\ \underline{-594} \\ 176 \\ \underline{-132} \\ 44 \end{array}$$

(2 marks for the correct answer. 1 mark if the answer is wrong but a correct method has been used)

Page 23 — Mixed Questions

- 1) 14
 2) 7 (1 mark)
 3) 10 (1 mark)
 4) 20 (1 mark)
 5) 900 (1 mark)
 6) 8 (1 mark)

Section 2 — Decimals

Pages 24 and 25

— Adding Decimals

- 1) 7.6
 2) 34.8 (1 mark)
 3) 8.5 (1 mark)
 4) 9.99 (1 mark)
 5) 35.7 (1 mark)
 6) 19.94 (1 mark)
 7) 5.94 (1 mark)
 8) 13.76 (1 mark)
 9) 7.91 (1 mark)
 10) 54.83 (1 mark)
 11) 9.4 (1 mark)
 12) 37.1 (1 mark)
 13) 56.15 (1 mark)
 14) 10.52 (1 mark)
 15) 16.53 (1 mark)
 16) 27.76 (1 mark)

Pages 26 and 27

— Subtracting Decimals

- 1) 0.6
 2) 1.3 (1 mark)
 3) 4.5 (1 mark)
 4) 5.6 (1 mark)
 5) 4.63 (1 mark)
 6) 21.2 (1 mark)
 7) 2.29 (1 mark)
 8) 14.25 (1 mark)
 9) 3.44 (1 mark)
 10) 1.6 (1 mark)
 11) 2.78 (1 mark)
 12) 2.38 (1 mark)
 13) 11.08 (1 mark)
 14) 1.58 (1 mark)
 15) 8.66 (1 mark)
 16) 2.7 (1 mark)

Page 28 — Multiplying by 10, 100 and 1000

- 1) 16
 2) 25.3 (1 mark)
 3) 72392 (1 mark)
 4) 730 (1 mark)
 5) 255894 (1 mark)
 6) 387684 (1 mark)
 7) 400 (1 mark)
 8) 68955080 (1 mark)

Page 29 — Dividing by 10, 100 and 1000

- 1) 0.13
 2) 12.867 (1 mark)
 3) 18.56 (1 mark)
 4) 939.07 (1 mark)
 5) 0.007 (1 mark)
 6) 5.346 (1 mark)
 7) 0.193 (1 mark)
 8) 0.012 (1 mark)

Pages 30 and 31

— Multiplying with Decimals

- 1) 2.1
 2) 2 (1 mark)
 3) 4.8 (1 mark)
 4) 3.3 (1 mark)
 5) 12.6 (1 mark)
 6) 40.6 (1 mark)
 7) 33.3 (1 mark)
 8) 73.8 (1 mark)
 9) 0.24 (1 mark)
 10) 0.66 (1 mark)
 11) 5.11 (1 mark)
 12) 6.39 (1 mark)
 13) 5.36 (1 mark)
 14) 73.17 (1 mark)
 15) 278.22 (1 mark)
 16) 132.72 (1 mark)

Page 32 — Dividing with Decimals

- 1) 1.5
 2) 1.5 (1 mark)
 3) 2.25 (1 mark)
 4) 7.2 (1 mark)
 5) 3.5 (1 mark)
 6) 6.25 (1 mark)
 7) 12.4 (1 mark)
 8) 11.5 (1 mark)

Pages 33 and 34 — Short and Long Division with Decimals

- 1) 30.4
 2) 17.8 (1 mark)
 3) 21.5 (1 mark)
 4) 24.5 (1 mark)
 5) 256.5 (1 mark)
 6) 126.2 (1 mark)
 7) 78.6 (1 mark)
 8) 32.25 (1 mark)
 9) 13.5

Arithmetic

10) 131.5

Working:
$$\begin{array}{r} 131.5 \\ 22 \overline{) 2893.0} \\ \underline{-22} \\ 69 \\ \underline{-66} \\ 33 \\ \underline{-22} \\ 110 \\ \underline{-110} \\ 0 \end{array}$$

- 1) $\frac{5}{7}$

- 2) $\frac{4}{5}$ (1 mark)

- 3) $\frac{5}{9}$ (1 mark)

- 4) $\frac{7}{8}$ (1 mark)

- 5) $\frac{6}{11}$ (1 mark)

- 6) $\frac{11}{12}$ (1 mark)

- 7) $\frac{13}{15}$ (1 mark)

- 8) 1 OR $\frac{17}{17}$ (1 mark)

Pages 36 and 37

— Adding Fractions with Different Denominators

- 1) $\frac{3}{4}$

- 2) $\frac{4}{9}$ (1 mark)

- 3) $\frac{5}{8}$ (1 mark)

- 4) $\frac{5}{6}$ (1 mark)

- 5) $\frac{13}{20}$ (1 mark)

- 6) $\frac{11}{14}$ (1 mark)

- 7) $\frac{20}{27}$ (1 mark)

- 8) $\frac{23}{24}$ (1 mark)

- 9) $\frac{7}{12}$

- 10) $\frac{16}{63}$ (1 mark)

- 11) $\frac{13}{15}$ (1 mark)

- 12) $\frac{35}{36}$ (1 mark)

- 13) $\frac{13}{24}$ (1 mark)

- 14) $\frac{19}{60}$ (1 mark)

- 15) $\frac{17}{42}$ (1 mark)

- 16) $\frac{9}{16}$ (1 mark)

(2 marks for the correct answer. 1 mark if the answer is wrong but a correct method has been used.)

- 12) 1206.75
 Working:
$$\begin{array}{r} 1206.75 \\ 8 \overline{) 9654.00} \\ \underline{-8} \\ 16 \\ \underline{-16} \\ 05 \\ \underline{-0} \\ 54 \\ \underline{-48} \\ 60 \\ \underline{-56} \\ 40 \\ \underline{-40} \\ 0 \end{array}$$

(2 marks for the correct answer. 1 mark if the answer is wrong but a correct method has been used.)

Arithmetic

Page 38 — Subtracting Fractions

- $\frac{1}{6}$
- $\frac{2}{5}$ (1 mark)
- $\frac{5}{14}$ (1 mark)
- $\frac{1}{2}$ (1 mark)
- $\frac{1}{2}$ (1 mark)
- $\frac{1}{3}$ (1 mark)
- $\frac{2}{3}$ (1 mark)
- $-\frac{2}{7}$ (1 mark)

Page 39 — Subtracting Fractions with Different Denominators

- $\frac{5}{8}$
- $\frac{2}{15}$ (1 mark)
- $\frac{1}{10}$ (1 mark)
- $\frac{5}{24}$ (1 mark)
- $\frac{11}{30}$ (1 mark)
- $-\frac{4}{9}$ (1 mark)

Pages 40 and 41 — Mixed Numbers

- $\frac{6}{7}$
- $7\frac{3}{5}$ (1 mark)
- $6\frac{3}{4}$ (1 mark)
- $8\frac{7}{15}$ (1 mark)
- $2\frac{2}{3}$ (1 mark)
- $3\frac{3}{8}$ (1 mark)
- $2\frac{1}{2}$
- $3\frac{13}{15}$ (1 mark)
- $1\frac{8}{9}$ (1 mark)
- $4\frac{8}{45}$ (1 mark)
- $1\frac{5}{9}$ (1 mark)
- $-\frac{15}{28}$ (1 mark)

Pages 42 and 43 — Multiplying Fractions

- $\frac{1}{18}$
- $\frac{28}{45}$ (1 mark)
- $\frac{35}{48}$ (1 mark)
- $\frac{9}{44}$ (1 mark)
- $\frac{28}{45}$ (1 mark)
- $\frac{9}{40}$ (1 mark)
- $\frac{5}{14}$ (1 mark)
- $\frac{9}{40}$ (1 mark)
- $\frac{1}{3}$
- $3\frac{6}{7}$ (1 mark)
- $4\frac{7}{8}$ (1 mark)
- $15\frac{1}{3}$ (1 mark)
- $16\frac{6}{11}$ (1 mark)
- $22\frac{3}{5}$ (1 mark)
- $25\frac{2}{7}$ (1 mark)
- 46 (1 mark)

Page 44 — Dividing Fractions

- $\frac{1}{12}$
- $\frac{3}{20}$ (1 mark)
- $\frac{7}{40}$ (1 mark)
- $\frac{5}{48}$ (1 mark)
- $\frac{1}{18}$ (1 mark)
- $\frac{2}{77}$ (1 mark)
- $\frac{3}{56}$ (1 mark)
- $\frac{6}{133}$ (1 mark)

Pages 45 and 46 — Percentages

- 6
- 5 (1 mark)
- 12 (1 mark)
- 52 (1 mark)
- 90 (1 mark)
- 147 (1 mark)
- 2.8 (1 mark)
- 47.7 (1 mark)
- 4
- 18 (1 mark)
- 12 (1 mark)
- 39 (1 mark)
- 294 (1 mark)
- 96 (1 mark)
- 9 (1 mark)
- 33 (1 mark)

Page 47 — Decimals, Fractions and Percentages

- 86.1% (1 mark)
- 0.07 (1 mark)
- 60% (1 mark)
- 7% (1 mark)
- $\frac{7}{10}$ (1 mark)
- $\frac{9}{25}$ (1 mark)

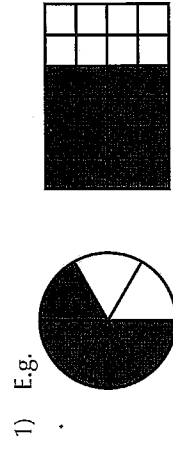
Number, Ratio & Algebra

Section 1 — Number and Ratio

Page 1 — Place Value and Roman Numerals

- 7 million
600 thousand
9 thousand
(2 marks if all three are correct, otherwise 1 mark if one or two are correct)
- 30 thousand (1 mark)
- 2 360 752 (1 mark)
- 438 611 (1 mark)
- 23 (1 mark)
- 154 (1 mark)
- 1847 (1 mark)
- Duluth (1 mark)

Pages 7 and 8 — Fractions



(any 4 sectors) (any 16 squares)
(1 mark for each correctly shaded shape)

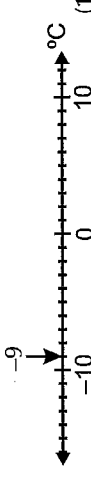
Pages 2 to 4 — Ordering Numbers and Rounding

- 24 528, 24 518, 24 508, 24 498, 24 488 (1 mark)
- 813, 683, 640, 452, 121, 119 (1 mark)
- 400, 680 (1 mark)
- $<$

$=$, $>$
(2 marks if all three are correct, otherwise 1 mark if one or two are correct)

- 5 hamsters (1 mark)
- $<$, $>$
- $>$, $>$

(2 marks if all four are correct, otherwise 1 mark if two or three are correct)

-  (1 mark)
- 12 °C (1 mark)
- 25, -60 (1 mark)
- 13 °C (1 mark)
- 280 (1 mark)
- 20
- 330, 500

(2 marks if all three are correct, otherwise 1 mark if one or two are correct)

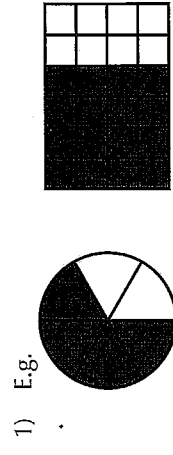
- 100, 800
- 1000, 100
- (2 marks if all four are correct, otherwise 1 mark if two or three are correct)
- 12 000 (1 mark)
- 7 850 000 (1 mark)
- YES (1 mark)

Pages 5 and 6 — Decimals

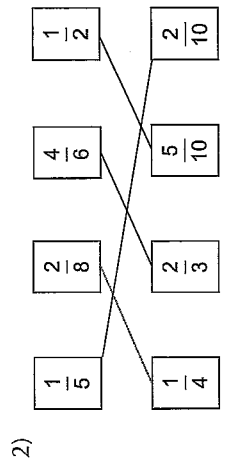
- 0.4, 1.8 (1 mark)
- 0.06 (1 mark)
- 0.004 (1 mark)
- £7.89, £7.98, £8.79, £8.97 (1 mark)
- 0.483 m, 0.4 m, 0.38 m, 0.308 m, 0.3 m (1 mark)

- 0.3, -0.12, -0.03, 0.15 (1 mark)
- 1.2 (1 mark)
- 2 (1 mark)
- 3 (1 mark)
- 9.2 (1 mark)
- 6.5 (1 mark)
- 3.1 hours (1 mark)
- 48.39 km (1 mark)

Pages 7 and 8 — Fractions



(any 4 sectors) (any 16 squares)
(1 mark for each correctly shaded shape)



(2 marks if all lines are correct, otherwise 1 mark if one or two are correct — not including the one connecting $\frac{2}{8}$ and $\frac{1}{4}$)

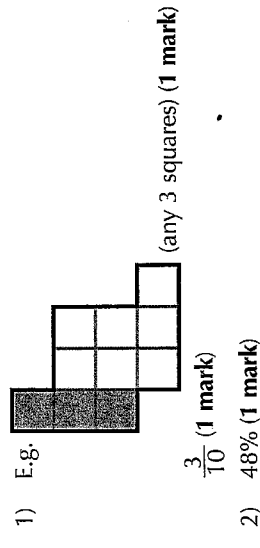
- $\frac{5}{8}$, $\frac{1}{3}$, $\frac{2}{3}$
- 2 marks if all three are correct, otherwise 1 mark if one or two are correct
- 6, 18, 8
- 2 marks if all three are correct, otherwise 1 mark if one or two are correct
- 10 and $\frac{9}{15}$ (1 mark)
- $\frac{20}{24}$ and $\frac{3}{24}$ (1 mark)
- $\frac{1}{20}$, $\frac{2}{8}$, $\frac{4}{10}$, $1\frac{3}{4}$, $1\frac{37}{40}$ (1 mark)
- $\frac{3}{12}$ (1 mark)

E.g. $\frac{3}{12}$ cancels down to $\frac{1}{4}$, and $\frac{1}{4}$ is larger than $\frac{1}{5}$

OR $\frac{3}{12} = \frac{15}{60}$ and $\frac{1}{5} = \frac{12}{60}$ (1 mark)

- $\frac{1}{3}$, $1\frac{2}{3}$, $2\frac{1}{3}$, 3 , $3\frac{2}{3}$, $4\frac{1}{3}$ (1 mark)
- $1\frac{7}{10}$ (1 mark)
- $8\frac{1}{4}$ (1 mark)

Page 9 — Percentages



Number, Ratio & Algebra

- 3) £60
(E.g. 10% of £300 = £300 ÷ 10 = £30
So 20% of £300 = £30 × 2 = £60)
(2 marks if the answer is correct. 1 mark if the answer is wrong but they've used a sensible method)
- 4) 40% (1 mark)

Page 10 — Decimals, Fractions and Percentages

- 1) $\frac{45}{100} = 45\% = 0.45$ (1 mark)
 $\frac{9}{10} = 90\% = 0.9$ (1 mark)

Fraction	Decimal	Percentage
$\frac{1}{4}$	0.25	25%
$\frac{1}{2}$	0.5	50%
$\frac{3}{5}$	0.6	60%

(1 mark for each correct row)

- 3) $\frac{4}{50}$, 10%, 0.11, $\frac{12}{100}$ (1 mark)
- 4) Helen (1 mark)

Pages 11 to 13 — Proportion and Ratio

- 1) 8 kg (1 mark)
- 2) 15 carrots (1 mark)
- 3) £4.00
(E.g. 1 egg = £2.40 ÷ 6 = £0.40, so 10 eggs = 10 × £0.40 = £4.00)
(2 marks if the answer is correct. 1 mark if the answer is wrong but they've used a sensible method)
- 4) 240 g (1 mark)
1000 ml (1 mark)
- 5) 8 tins
(E.g. 35 cakes ÷ 5 tins = 7 cakes per tin, 56 cakes ÷ 7 cakes per tin = 8 tins)
(2 marks if the answer is correct. 1 mark if the answer is wrong but they've used a sensible method)

- 6) 11 (1 mark)
- 7) 9 cm (1 mark)
90 km (1 mark)
- 8) 36 apples (1 mark)
12 bananas (1 mark)
- 9) 9 : 5 (1 mark)
15 parsnips (1 mark)
- 10) Matt £40, Cat £80 (1 mark)
- 11) 20 (1 mark)

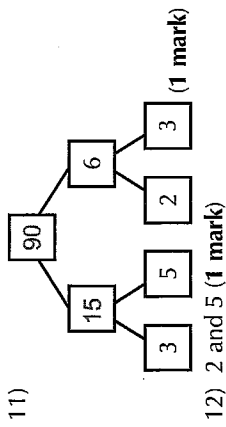
Pages 14 to 16 — Multiples, Factors and Primes

- 1) a multiple of 4: any one of 12, 24 or 52 (1 mark)
a factor of 30: 15 (1 mark)
- 2) 18, 24 (1 mark)

	multiple of 5	not a multiple of 5
odd	5 or 15	1, 3, 7, 9, 11, 13, 17 or 19
even	10	2, 4, 6, 8, 12, 14, 16 or 18

(2 marks if there's a correct number in all four sections, otherwise 1 mark if there's a correct number in two or three sections)

- 4) 5 and 8: E.g. 40
4 and 6: E.g. 12
12 and 15: E.g. 60
- (2 marks if a correct multiple has been given for all three, otherwise 1 mark if one or two are correct)
- 5) 1 and 48, 2 and 24, 3 and 16, 4 and 12, 6 and 8 (1 mark)
- 6) 1, 5 (1 mark)
- 7) 2, 7, 17, 31 (1 mark)
- 8) 61, 67, 71, 73, 79 (1 mark)
- 9) 3 × 5 OR 5 × 3 (1 mark)
2 × 5 × 7 (numbers can be in any order) (1 mark)
- 10) NO
E.g. If the number can be shared equally between 6 then 6 is a factor, but a prime number only has two factors — itself and 1. (1 mark)



Pages 17 and 18 — Square and Cube Numbers

- 1) 36, 49, 100 (1 mark)
- 2) 64 (sixty four) (1 mark)
- 3) 25, 2500 (1 mark)
- 4)

	multiple of 4	multiple of 6
square	4, 16 or 36	36
not square	8, 12, 20, 24, 28 or 32	6, 12, 18, 24 or 30

(2 marks if there's a correct number in all four sections, otherwise 1 mark if there's a correct number in two or three sections)

- 5) 9 and 25 (1 mark)
49 and 100 (1 mark)
- 6) 8100 (1 mark)
- 7) 25 (9 + 16) (1 mark)
YES (1 mark)
- 8) 12100 (1 mark)
- 9) 1, 27 (1 mark for each correct answer)
- 10) 35 (8 + 27) (1 mark)

Number, Ratio & Algebra

Section 2 — Calculations

Pages 19 and 20 — Adding and Subtracting

- 1)
$$\begin{array}{r} 2 & 2 & 9 & 4 & 6 \\ + & 4 & 1 & 6 & 3 & 8 \\ \hline 6 & 4 & 5 & 8 & 4 \end{array}$$

(2 marks if all digits are correct, otherwise 1 mark if one or two are correct — not including the 6 in the ones column)

- 2) 618, 806 (1 mark)
- 3) 2858 (1 mark)
- 4) 1425 g (1 mark)
(1648 g – 223 g)
- 5) 294 (1 mark)
(708 – 414)
- 6) £1.54 (1 mark)
(£3.48 – £1.94)
- 7) 8.8 kg (1 mark)
(25.3 kg – 15.8 kg – 0.7 kg)
- 8) £8.36
(E.g. £2.95 + £8.69 = £11.64, £20 – £11.64 = £8.36)
(2 marks for the correct answer. 1 mark if the answer is wrong but a correct method has been used.)

Page 21 — Adding and Subtracting Fractions

- 1) $\frac{1}{5}$ (1 mark)
- 2) $\frac{7}{9}$ (1 mark)
 $\frac{11}{14}$ (1 mark)
- 3) $\frac{1}{8}$ (1 mark)
- 4) $\frac{11}{18}$ (1 mark)
- 5) $9\frac{8}{9}$ (1 mark)
 $1\frac{14}{15}$ (1 mark)

Pages 22 to 25 — Multiplying and Dividing

- 1) 15, 25, 30, 45, 60 (1 mark)
- 2) 72, 72 (1 mark for each correct answer)
- 3) £4 (1 mark)
(8 × £2 = £16, £16 ÷ 4)
- 4) 193 kg (1 mark)
(1351 kg ÷ 7)
- 5) £30 030
Working:
$$\begin{array}{r} 2145 \\ \times 14 \\ \hline 8580 \\ 21450 \\ \hline 30030 \end{array}$$

(2 marks if the answer is correct. 1 mark if the answer is wrong but a correct method has been used.)

- 6) $8 \times (9 - 2) = 56$ (1 mark)
(12 + 8) ÷ 4 = 5 (1 mark)

- 7) 8, 2, 16
(2 marks if all three answers are correct, otherwise 1 mark if one or two are correct)
- 8) $(17 - 2) \div 3$ (1 mark)
- 9) 7 children
(51 - 2 = 49, 49 ÷ 7)

(2 marks for the correct answer. 1 mark if the answer is wrong but a correct method has been used.)

- 10) 18 packs (1 mark)
(E.g. 70 ÷ 4 = 17 remainder 2)
- 11) 100, 10, 1000
(2 marks if all three answers are correct, otherwise 1 mark if one or two are correct)
- 12) 6.11 (1 mark)
0.999 (1 mark)
- 13) 4280 (1 mark)
- 14) 1000, 0.419
100, 100
- (2 marks if all four answers are correct, otherwise 1 mark if two or three answers are correct)
- 15) 21, 34
97, 11

(2 marks if all four answers are correct, otherwise 1 mark if two or three answers are correct)

- 16) $33 \div 8$ (1 mark)
 $13 \div 3$ (1 mark)
- 17) 8970 g (1 mark)
(1495 g × 6)
- 18) 30 682
Working:
$$\begin{array}{r} 1334 \\ \times 23 \\ \hline 4002 \\ 26680 \\ \hline 30682 \end{array}$$

(2 marks for the correct answer. 1 mark if the answer is wrong but a correct method has been used.)

- 89
Working:
$$\begin{array}{r} 89 \\ 61 \overline{) 5429} \\ \underline{-488} \\ 549 \\ \underline{-549} \\ 0 \end{array}$$

(2 marks for the correct answer. 1 mark if the answer is wrong but a correct method has been used.)

- 19) £29.70 (1 mark)
(£4.95 × 6)

Page 26 — Multiplying and Dividing Fractions

- 1) $\frac{4}{33}$
 $\frac{5}{96}$, 10
(1 mark for each correct answer)
- 2) 9 balls (1 mark)
- 3) $\frac{3}{32} \cdot \frac{1}{20} \cdot \frac{3}{32}$ (1 mark for each correct answer)
- 4) $\frac{7}{36}$ (1 mark)

Number, Ratio & Algebra

Pages 27 to 29 — Checking and Estimating

- 1) $467 - 126 = 341$ (1 mark)
- 2) $120 \times 3 = 360$ (1 mark)
- 3) $15 + 3 = 18$ (1 mark)
- 4) $147 \div 3 = 49$ OR $147 \div 49 = 3$ (1 mark)
- 5) $15 \div 3 = 5$ (1 mark)
- 6) Any two of:
 $15 \times 3 = 45$
 $21 - 3 = 18$
 $14 \times 8 = 112$
 $8 \times 14 = 112$

(2 marks if all lines are correct, otherwise 1 mark if at least one is correct — not including $15 + 3 = 18$)

- 4) $5434 \div 19 = 286$ OR $5434 \div 286 = 19$ (1 mark)
- 5) $16 \times 4 = 64$ OR $4 \times 16 = 64$ (1 mark)
- 6) Any two of:
 $112 \div 8 = 14$
 $14 \times 8 = 112$
 $8 \times 14 = 112$

(1 mark for each correct answer)

- 7) $9 - 4 = 5$ (1 mark)
- 8) 180 (1 mark)
- 9) $12 \times 8 = 96$ (1 mark)
- 10) E.g. $30 \div 10 = 3$ (1 mark)
- 11) 80 km (40 km \times 2) (1 mark)

Section 3 — Problem Solving and Algebra

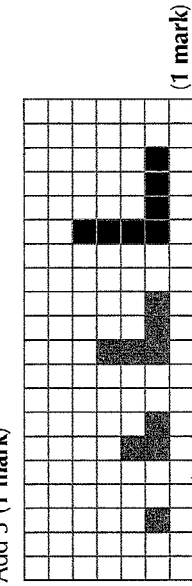
Pages 30 to 32 — Wordy Problems

- 1) 1 hour 10 mins (1 mark)
- 2) 77p (1 mark)
- 3) £45 (1 mark)
- 4) 30 trains (1 mark)
- 5) Ash, Dean, Emil (1 mark)
- 7) $\frac{7}{10}$ (1 mark)
- 8) 60% (1 mark)

$(\frac{36}{60} = \frac{6}{10} = \frac{60}{100})$

Pages 33 to 35 — Patterns and Sequences

- 1) 15, 30, 45 and 60 should be crossed (1 mark)
- 2) 49, 57 (1 mark)
- 3) 19 (1 mark)
- 4) 60, 48 (1 mark)
- 5) Add 3 (1 mark)



13 (1 mark)

E.g. because you add an extra 2 squares each time (1 mark)

- 7) FALSE (1 mark)
- 8) 15 (1 mark)

Pages 36 to 39 — Formulas

- 20 (1 mark)
- Number of hats = $2 \times$ Number of scarves + 6 (1 mark)
- 6000 cm^3 (1 mark)
- 6 penguins (1 mark)
- 9 years old (1 mark)
- 7 (1 mark)

7 (1 mark)

- 37 (1 mark)
- 5 g (1 mark)

E.g. $A = 4, B = 6$ (or any other pair of different values which add to make 10, where neither value is 2) (1 mark)

E.g. $B = £30$ and $C = £20$ (or any other values where $B + B + C = £80$, and A, B and C are all different) (1 mark)

(or any other values where $B + B + C = £80$, and A, B and C are all different) (1 mark)

Design number (n)	1	2	3	4	5	6
Number of beads (b)	1	9	17	25	33	41

$b = (8 \times n) - 7$ (1 mark)

Geometry, Measures & Statistics

Geometry, Measures & Statistics

Page 3 — Circles

- 3 cm ($6 \div 2$) (1 mark)
- 15 cm ($30 \div 2$) (1 mark)
- 40 m (20×2) (1 mark)

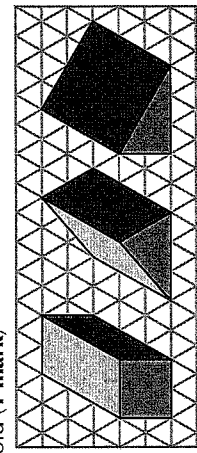
Pages 4 and 5 — 3D Shapes

- cube, triangular prism, square-based pyramid (2 marks if all three are correct, otherwise 1 mark if one or two are correct)

Shape	Number of edges	Number of vertices	Number of pairs of parallel faces
Cuboid	12	8	3
Triangular based pyramid	6	4	0
Hexagonal prism	18	12	At least 1

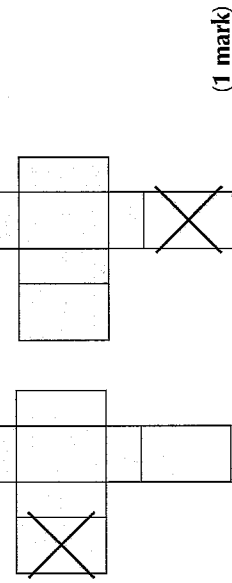
(1 mark for each correct row)

- cuboid (1 mark)



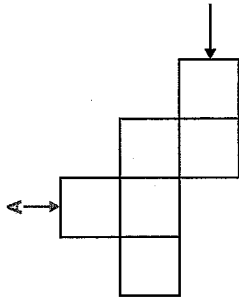
(1 mark for each correct triangular prism)

- OR



(1 mark)

- 10 faces (1 mark)



(1 mark)

Pages 6 to 8 — Angles

- 270° (1 mark)
- 90° (1 mark)
- 360° (1 mark)
- 180° (1 mark)

(2 marks if all three lines are correct, otherwise 1 mark if one or two are correct)

- B, A, D, C, E (1 mark)

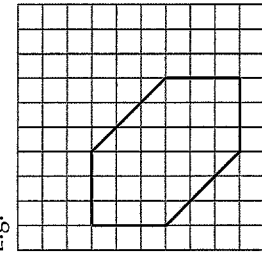
B (1 mark)

- 270° clockwise (1 mark)

Section 1 — Geometry

Pages 1 and 2 — 2D Shapes

- E.g.



(or add any 3 straight lines to complete the shape) (1 mark)

- It has three sides. Two sides are the same length. Two of the angles are equal. (1 mark)
- It has four sides. It has two pairs of parallel sides. It has four right angles. (1 mark)
- It has five sides. All sides are the same length. All of the angles are equal. (1 mark)

(1 mark for each correct line — not including isosceles triangle)

Shape	Shape Properties		
	2 or more equal angles	At least one pair of parallel sides	Quadrilateral
	x	x	x
	x	x	x
	x	x	x
	x	x	x
	x	x	x
	x	x	x

(1 mark for each correct row)

- TRUE (1 mark)



(1 mark for each correct triangle)

Has at least one right angle	Shape Properties	
	Regular	Irregular

(1 mark)

- TRUE (1 mark)

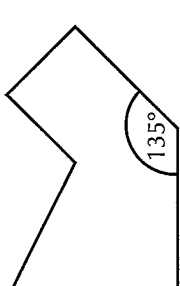
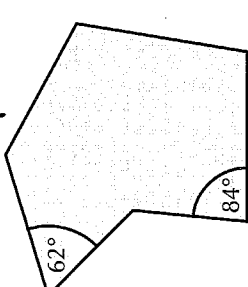

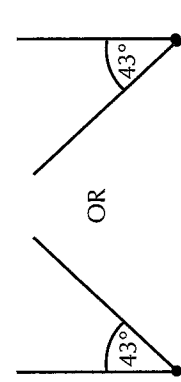
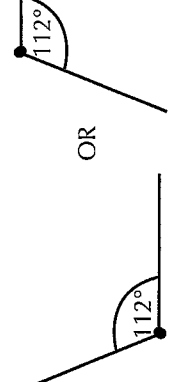
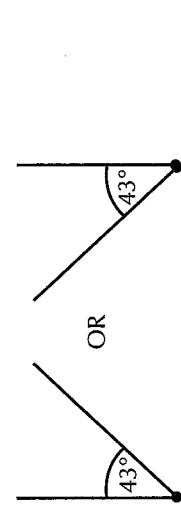
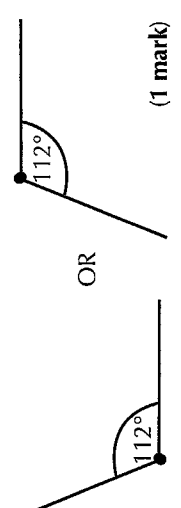
FALSE (1 mark)

TRUE (1 mark)

(2 marks if all three are correct, otherwise 1 mark if one or two are correct)

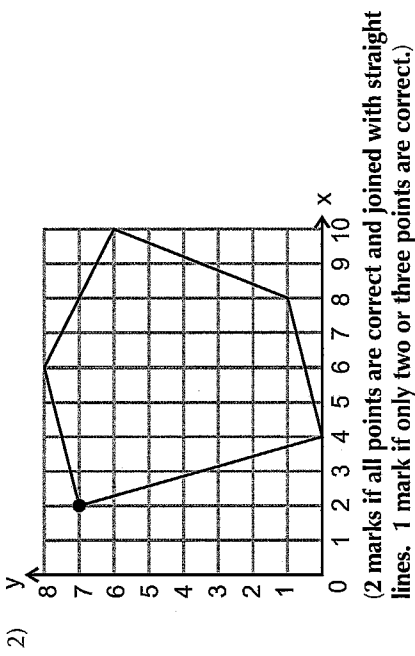
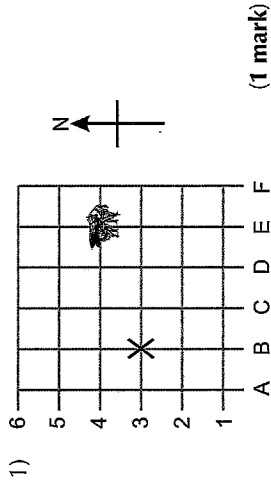
TRUE (1 mark)

Geometry, Measures & Statistics

- 4)  (1 mark)
 (allow answers between 133° and 137°) (1 mark)
- 5)  (1 mark)
 (allow answers up to 2° above and below)
 (1 mark for each correct angle)
- 6)  (1 mark)
 C, A, B, D (1 mark)
 90° (allow answers between 85° and 95°) (1 mark)
- 7) 54° ACUTE
 102° OBTUSE
 27° ACUTE
 (allow answers up to 2° above and below)
 (1 mark for each correct angle/word pair)
- 8)  (1 mark)
 OR  (1 mark)
- 9)  (1 mark)
 OR  (1 mark)

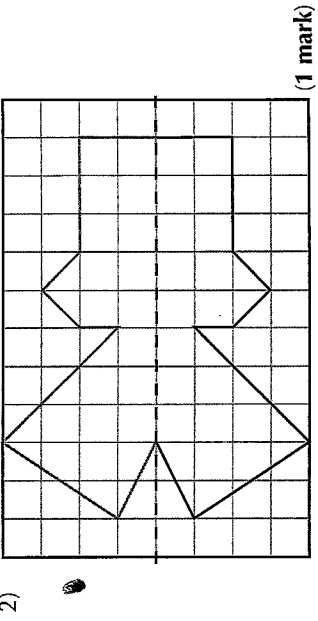
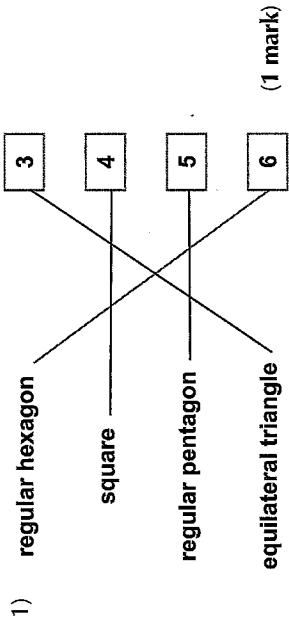
- 7) $z = 40^\circ$
 ($180^\circ - 45^\circ - 85^\circ = 50^\circ$, $180^\circ - 90^\circ - 50^\circ$)
 (2 marks if the answer is correct. 1 mark if the answer is wrong but they've used a sensible method.)
- 8) $d = 81^\circ$ (1 mark)
- 9) $f = 145^\circ$, $g = 35^\circ$, $h = 145^\circ$
 (2 marks if all three angles are correct, otherwise 1 mark if one or two angles are correct.)
- 10) $a = 25^\circ$
 (The angle vertically opposite 65° is also 65° , so $a = 180^\circ - 65^\circ - 90^\circ$)
 (2 marks if the answer is correct. 1 mark if the answer is wrong but they've used a sensible method.)

Pages 12 and 13 — Coordinates



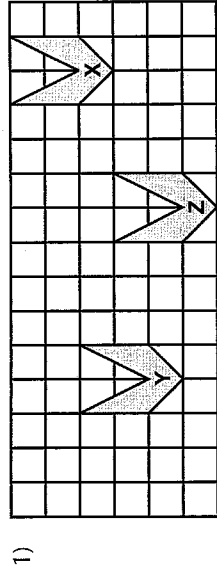
- 3) Coordinates: (5, 2) (1 mark)
 4) Coordinates of A: (5, 5) (1 mark)
 Coordinates of B: (6, 4) (1 mark)
 5) (60, 40) and (-25, 40) should be ticked (1 mark)
 6) Coordinates of A: (0, 3)
 Coordinates of B: (6, 5)
 Coordinates of C: (12, 1)
 (2 marks if all three coordinates are correct. 1 mark if one or two are correct.)

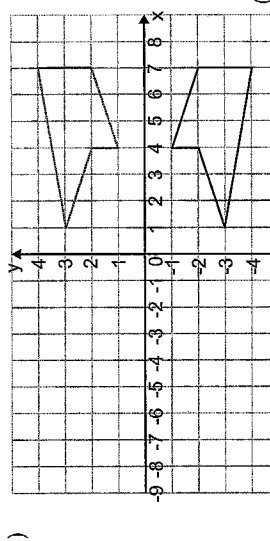
Page 14 — Symmetry



- 3) B
 C
 A
 (2 marks if all three letters are correct. 1 mark if one letter is correct.)

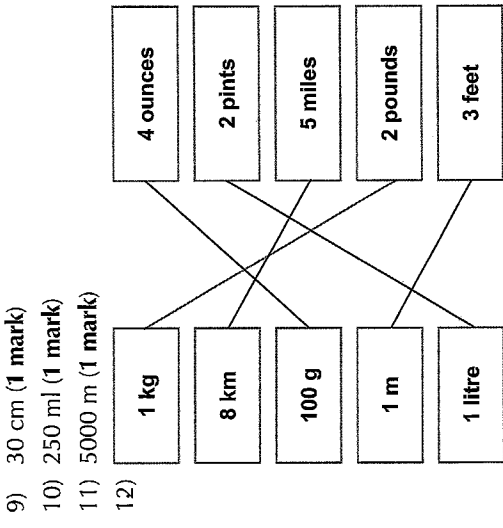
Pages 15 and 16 — Translation and Reflection



- 2) 4 squares right and 3 squares down (1 mark)
 3) (5, -2) (1 mark)
 4) C (1 mark)
 5)  (1 mark)

Geometry, Measures & Statistics

- 7) 28 cartons
 (E.g. $2.8 \text{ l} = 2800 \text{ ml}$, $2800 \text{ ml} \div 100 \text{ ml} = 28$)
 (2 marks if the answer is correct. 1 mark if the answer is wrong but they've used a sensible method.)
- 8) 1100 g
 (E.g. $7 \times 200 \text{ g} = 1400 \text{ g}$, $2.5 \text{ kg} = 2500 \text{ g}$, $2500 \text{ g} - 1400 \text{ g} = 1100 \text{ g}$)
 (2 marks if the answer is correct. 1 mark if the answer is wrong but they've used a sensible method.)



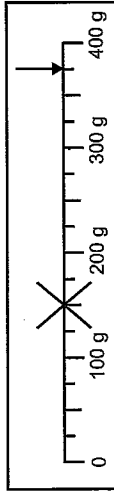
- (2 marks if all four lines are correct, otherwise 1 mark if two or three are correct)

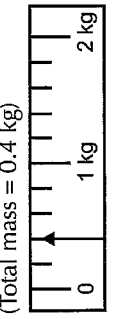
- 13) 10 miles
 14) 45 litres
 (E.g. 2 gallons = 9 litres, so (2×5) gallons = (9×5) litres)
 (2 marks if the answer is correct. 1 mark if the answer is wrong but they've used a sensible method.)
- 15) 50 ft (1 mark)
 16) 340 g (1 mark)
 14 ounces (1 mark)
 17) 165 cm
 (E.g. $12 \text{ inches} \times 5\frac{1}{2} = 66 \text{ inches}$, $66 \times 2.5 \text{ cm} = 165 \text{ cm}$)
 (2 marks if the answer is correct. 1 mark if the answer is wrong but they've used a sensible method.)

Section 2 — Measurement

Pages 17 to 21 — Units

- 1) 300 ml (1 mark)
 4 kg (1 mark)
 15 cm (1 mark)
 2) Statements to be ticked:
 The bag contains about 10 potatoes.
 The bag weighs about the same as a newborn baby.
 (1 mark for each correct statement)
- 3) 7000 ml, 20 000 ml,
 1500 ml, 2300 ml, 6850 ml
 (2 marks if all five answers are correct, otherwise 1 mark if two or more are correct)
- 4) 500 mm (1 mark)
 29 mm (1 mark)
 1.5 m (1 mark)
 2100 g (1 mark)
 15 cm (1 mark)
 150 mm (1 mark)



- 4) 9 cm (1 mark)
 5) 0.2 kg (1 mark)
 3.8 kg (1 mark)
 6) 130 g, 270 g (1 mark if both answers are correct) (Total mass = 0.4 kg)
-  (1 mark)

Pages 9 to 11 — Angle Calculations

- 1) 31°
 2) $x = 72^\circ$ ($360^\circ \div 5$)
 (2 marks if the answer is correct. 1 mark if the answer is wrong but they've tried to divide 360° by 5.)
- 3) E.g. Angles on a straight line add up to 180° . (1 mark)
 4) $x = 50^\circ$ ($180^\circ - 75^\circ - 55^\circ$)
 (2 marks if the answer is correct. 1 mark if the answer is wrong but they've tried to subtract from 180° .)
 $y = 105^\circ$ ($180^\circ - 75^\circ$) (1 mark)
- 5) $x = 116^\circ$ ($180^\circ - 64^\circ$)
 (2 marks if the answer is correct. 1 mark if the answer is wrong but they've tried to subtract from 180° .)
 $y = 150^\circ$ ($360^\circ - 120^\circ - 90^\circ$) (1 mark)
 (2 marks if the answer is correct. 1 mark if the answer is wrong but they've tried to subtract from 360° .)

Geometry, Measures & Statistics

Pages 24 to 27 — Time

- minutes
minute
120
(2 marks if all four answers are correct, otherwise 1 mark if two or three are correct)

- 08:50 (1 mark)
20:50 (1 mark)

- E.g. Five thirty-six pm
OR thirty-six minutes past five pm
OR twenty-four minutes to six pm
OR seventeen thirty-six
(1 mark)

- 1 pm (1 mark)
- 2 hours ahead (1 mark)
14 hours ahead (1 mark)

Departs from Springtown	09:00	11:20	13:00	15:15
Arrives at theme park	09:50	12:10	13:50	16:05

- (2 marks if all three answers are correct, otherwise 1 mark if one or two are correct)
8 hours and 45 minutes (1 mark)

- Rita (1 mark)
- 9 hours and 25 minutes (1 mark)
Lesley (Ron slept for 8 hours and 50 minutes) (1 mark)
- 9 hours and 55 minutes (1 mark)
- 1749 (1 mark)
20 minutes (1 mark)
1628 (1 mark)

Page 28 — Money

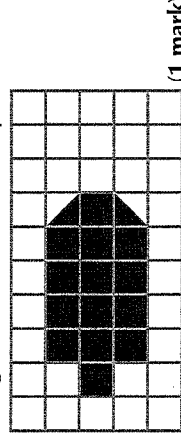
- £14.90 = 1490p
£8.08 = 808p, £0.02 = 2p
(2 marks if all three answers are correct, otherwise 1 mark if one or two are correct)
- £3.87 (1 mark)
£4.54 (1 mark)

- £5.55 (0.80 + (3 × 1.25) + (4 × 0.25) = 0.80 + 3.75 + 1)
(2 marks if the answer is correct, 1 mark if the answer is wrong but they've tried to add all the items ordered.)
£4.45 (1 mark)

Pages 29 to 33 — Perimeter and Area

- 16 cm (1 mark)
- 18 cm (3 cm + 6 cm + 3 cm + 6 cm) (1 mark)
- 24.8 cm (6.2 cm × 4) (1 mark)
- 19 cm² (1 mark)

- Any shape that contains exactly 15 whole squares (including combinations of half-squares).
E.g.



(1 mark)

- A, C, E (1 mark)

- width 3 cm, length 6 cm (1 mark)
area = 18 cm² (3 cm × 6 cm) (1 mark)

- perimeter = 34 cm
(E.g. 5 cm + 9 cm + 8 cm + 2 cm + 3 cm + 7 cm)
(2 marks if the answer is correct, 1 mark if the answer is wrong but they've tried to add up all the correct sides.)
area = 51 cm²
(E.g. split into 2 rectangles, one 5 cm × 7 cm and the other 8 cm × 2 cm,
area = (5 cm × 7 cm) + (8 cm × 2 cm))
(2 marks if the answer is correct, 1 mark if the answer is wrong but they've split the shape into two rectangles and tried to find their areas separately.)

- 20 m²
(width = (18 m - 5 m - 5 m) ÷ 2 = 4 m,
area = 4 m × 5 m)

- (2 marks if the answer is correct, 1 mark if the answer is wrong but they've used a sensible method.)

- No
(perimeter = 250 m + 400 m + 250 m + 400 m = 1300 m, 1000 m is less than 1300 m)

- (2 marks if the answer is correct, 1 mark if the answer is wrong but they've tried to add together the correct lengths of the four sides of the field.)

- 172 cm²
(area of envelope = 15 cm × 12 cm = 180 cm²,
area of stamp = 4 cm × 2 cm = 8 cm²,
so area left on envelope = 180 cm² - 8 cm²)

- (2 marks if the answer is correct, 1 mark if the answer is wrong but they've tried to subtract the area of the stamp from the area of the envelope.)

- 14 m (46 - 9 - 9 = 28, 28 ÷ 2) (1 mark)
- 28 m²
(length = (22 - 4 - 4) ÷ 2 = 7 m,
area = 4 m × 7 m)

- (2 marks if the answer is correct, 1 mark if the answer is wrong but they've used a sensible method.)
14 m (1 mark)

- 40 mm² (4 × 10) (1 mark)
- 300 cm² (½ × 30 × 20) (1 mark)
- 500 cm² (25 cm × 20 cm) (1 mark)

Page 34 — Volume

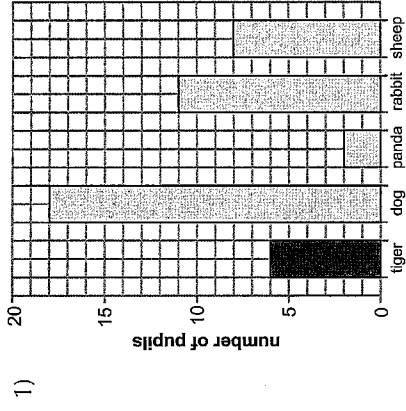
- 7 cm³ (There are 7 blocks) (1 mark)
- 240 cm³ (8 × 10 × 3) (1 mark)
- 70 m³
(volume of entire cuboid = 2 × 5 × 8 = 80 m³,
volume of hole = 2 × 1 × 5 = 10 m³,
volume of sculpture = 80 - 10)

- (2 marks if the answer is correct, 1 mark if the answer is wrong but they've tried to subtract the volume of the hole from the volume of the entire cuboid.)

Section 3 — Statistics

Pages 35 to 40

Tables, Charts and Graphs



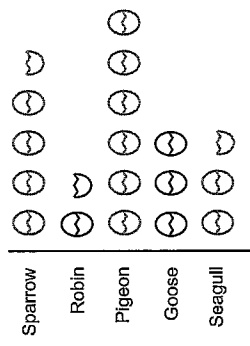
1)

- (2 marks for all bars drawn correctly, 1 mark if only two bars are drawn correctly — not including the 'tiger' bar.)

- 15 people (1 mark)
10 more people (1 mark)
grey (1 mark)

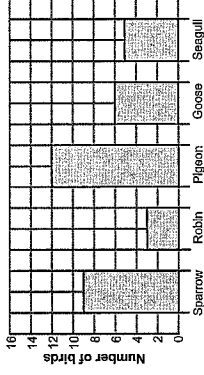
Bird	Number of birds
Sparrow	9
Robin	3
Pigeon	12
Goose	6
Seagull	5

- (2 marks if all entries are correct, 1 mark if only one row is correctly filled.)



Number of birds
○ = 2 birds (1 mark)

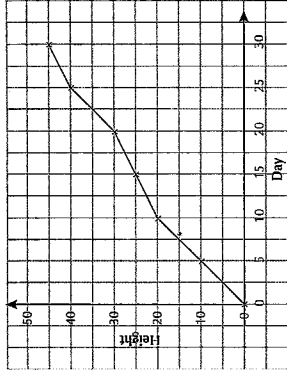
35 birds (1 mark)



- (2 marks for all bars drawn correctly, 1 mark if only two or three bars are drawn correctly — not including the 'seagull' bar.)

- 150 text messages (1 mark)
December (1 mark)
200 (1 mark)
- 90 beats per minute (1 mark)
4 minutes (1 mark)

6)



- (2 marks for a correct line on sensible axes, otherwise 1 mark for four or more correctly plotted points.)

7)

Day	Tally	Number of stars ☆	Frequency
Monday	HHH IIII	9	9
Tuesday	HHH I	6	6
Wednesday	HHH HH I	11	11
Thursday	HHH III	8	8
Friday	HHH HH	10	10

- (2 marks if all entries are correct, 1 mark if only two or three rows are correct.)
Wednesday (1 mark)
6 more stars (1 mark)

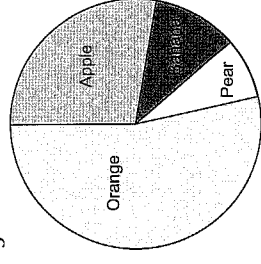
- Cape Town (1 mark)

- 10 °C (1 mark)

- 30, 10, 20

- (2 marks if all three are correct, 1 mark if one or two are correct.)
1 (1 mark)
3

10)



- Apple: 100°, Banana: 40°, Pear: 28°, Orange: 192°

- (2 marks for a completely correct pie chart, otherwise 1 mark if one sector has the correct angle and is correctly labelled — not including the 'Apple' sector.)

Pages 41 to 43 — Analysing Data

1) 6

2) Group A: 3 (30 ÷ 10) (1 mark)

Group B: 2 (20 ÷ 10) (1 mark)

Group A (1 mark)

3) 3 hours (4 + 2 + 1 + 5 = 12.)

Total must be 15, because 15 ÷ 5 = 3. So, 15 - 12 = 3)
(2 marks for the correct answer, 1 mark if the answer is wrong but they've used a sensible method.)

4) 50 ice creams
(70 + 55 + 65 + 10 = 200, 200 ÷ 4)

(2 marks for the correct answer, 1 mark if the answer is wrong but they've attempted to add up the four numbers and divide by 4.)

5) 4, 2, 2, 5, 2 (1 mark)

6) 8 students (1 mark)

32 students (1 mark)

E.g. the most common way to travel is to cycle

OR cycling was twice as common as walking (1 mark)