MATHOTIX 6 ANSWERS

Steve Pescott

Sheet 1

1. 345 354 433 435 534 544
2. (a) 672 (b) 381 (c) 2790 (d) 5407 (e) 227
3. (a) 279 (b) 3401 (c) 803 264
4. (a) Five hundred and nine
(b) Twenty-five thousand, six hundred and ninety-four
(c) Eight million, seven hundred and twenty-three thousand and fifty-one
5. (a) 50°C (b) 15°C (c) 65°C (d) 12°C
6. (a) 9 (b) 70 (c) 22 (d) 275 (e) 14
7. (a) 40 km/h (b) 65 km/h
8. (a) The brave Steffi ventured into the dark gloomy cave.
(b) Kent went yowie spotting.
(c) Laurel eventually broke the school record for the long jump after several tries.
(d) A keyboard is used for typing.
(e) Garth reeled in a huge fish.
9. (a) 12 (b) 100 (c) 2 (d) 144 (e) 20 (f) 3
10. (a) thirty-seven (b) forty-seven
(c) twenty-one (d) sixty-two
(e) thirty-five

Sheet 2

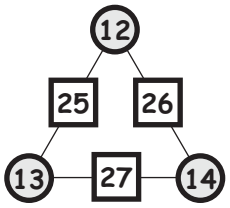
1.

City	Population
Beijing	11 860 000
Sao Paulo	9 600 000
Bangkok	8 750 000
Delhi	8 620 000
Mexico City	8 460 000
Tokyo	8 430 000
New York	7 650 000
London	7 230 000
Cairo	7 120 000
Melbourne	3 450 000

(b) 4 740 000 (c) 27 410 000
(d) Mexico City - 8 410 000
New York - 7 700 000
2. (a) 35 (b) 384 (c) 18 (d) 1250 (e) 401 (f) 6000
3. (a) 8812 (b) 14 521 (c) 1176 (d) 1002 (e) 20 206 (f) 100 909
4. (a) 321 675 (b) 312 576 (c) 9099 (d) 323 292 (e) 323 741
5. (a)
$$\begin{array}{r} 238 \\ +\ 651 \\ \hline 889 \end{array}$$
(b)
$$\begin{array}{r} 6505 \\ +\ 2936 \\ \hline 9441 \end{array}$$
(c)
$$\begin{array}{r} 586 \\ -\ 250 \\ \hline 336 \end{array}$$
(d)
$$\begin{array}{r} 8507 \\ -\ 4698 \\ \hline 3809 \end{array}$$

6. Sally - 22, Fiona - 18

7.



8. 27, 21, 52

Sheet 3

1.

City	Change in Temp
Amsterdam	9
Berlin	14
Oslo	9
Paris	12
Toronto	18

2. 5°C
3. (a) Many answers eg: 487 - 1 + 397
(b) Many answers examples are:
455 + 10 + 781
540 +100 - 297
7251 + 10 + 3585 + 100 + 1
3578 + 100 - 559 - 10
589 × 2 × 3
4. 6 go-carts
5. 3 bicycles, 7 tricycles
6. (a) 4 minutes (b) 8 minutes
(c) 5 monkeys
7.

A	D	D
A	I	D
M	I	D
M	U	D
M	U	M
S	U	M

Sheet 4

1.

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

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

2. (a) $637 \times 8 = 5096$ (b) $6 \overline{)2922}$ r 5 → 487
3. (a)
$$\begin{array}{r} 8215 \\ \times\ 34 \\ \hline 32860 \\ 246450 \\ \hline 279310 \end{array}$$
(b) $4 \overline{)27276}$ r 0 → 6819
(c) $9 \overline{)50472}$ r 0 → 5608
4. A = 4, B = 9
5. (a) 3, 5 (b) 6, 8 (c) 8, 9
6. (a) 2, 3, 5, 7 (b) 41 (c) 97
7. (a) 56 (b) 36
8. 24
9. (a) $48 (b) $51
10.

1 2	6	2 1	■		3 5	0	4 4
4	■	5 8	6 1	7 2	6	■	4
8 8	9 1	■	10 6	3	■	11 1	2
■	12 7	13 4	■	■	14 3	4	■
■	15 3	0	■	■	16 8	7	■
17 6	4	■	18 9	19 8	■	20 6	21 2
1	■	22 6	6	8	23 8	■	8
24 1	1	0	■	■	25 9	6	6

11. (7 + 2) × (4 + 1) ÷ (6 + 3) = 5
There may be other answers.

Sheet 5

1. B, C
2. A, B, D, F
3. A, B, C, D, E, F
4. There are many eg.: 4 × 6 × 6 × 6
5. These are examples:
(a) 2 × 3 × 24 (b) 4 × 9 × 2 × 8
(c) 2 × 3 × 7 × 8 (d) 2 × 33 × 2 × 53
6. (a) 16 × 50 (b) 14 × 25
= 8 × 2 × 50 = 7 × 2 × 25
= 8 × 100 = 7 × 50
= 800 = 350
7. (a) 300 (b) 2000 (c) 10 000 (d) 2400 (e) 200 (f) 20 (g) 20 (h) 120
8. (a) $600 (b) 6
9. (a) 20 (b) 30 (c) 60 (d) 10 (e) 120 (f) 240
10. (a) 29 × 81 (b) 67 × 19
≈ 30 × 80 ≈ 70 × 20
= 2400 = 1400
11. B (20 × 80)
12. (b) 100 (c) 13 (d) 1300

Sheet 6

1. (a) $\frac{1}{2}$ (b) $\frac{3}{8}$ (c) $\frac{5}{9}$ (d) $\frac{5}{6}$
2. (a) $\frac{1}{4}$ (b) $\frac{2}{3}$ (c) $\frac{7}{8}$ (d) $\frac{3}{10}$
3. (a) Five-eighths (b) Seven-tenths
(c) Three-quarters
4. (a) $\frac{9}{10}$ (b) $\frac{5}{7}$
6. (b) $\frac{1}{8}$
7. (a) $1 (b) $2 (c) $10 (d) $23 (e) $4.50
8. $\frac{5}{8}$
9. (a) $\frac{3}{10}$ (b) $\frac{7}{10}$

10. $\frac{1}{7}$
11. Swim - 2 km, ride - 8 km, run - 6 km
12. 8000
13. (a) 4 (b) 8 (c) 12 (d) 16
14.

10	12	15	18	20	25	30	35	40	42	48	50
S	T	A	B	L	E	T	E	N	N	I	S

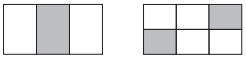
Sheet 7

1. (a) $\frac{1}{3}$ (b) $\frac{1}{3}(\frac{2}{6})$ (c) $\frac{1}{3}(\frac{3}{9})$

2. (a)
(b)
(c)


3. (a) $\frac{1}{2}$ (b) $\frac{1}{2}(\frac{2}{4})$ (c) $\frac{1}{2}(\frac{2}{4})$ (d) $\frac{1}{2}(\frac{2}{4})$

(e) $\frac{1}{2}(\frac{8}{16})$ (f) $\frac{1}{2}(\frac{3}{6})$

4. Examples:


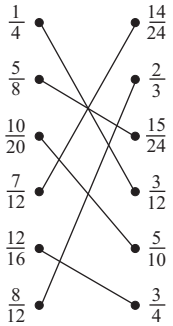
5. (a) $\frac{1}{3}=\frac{2}{6}$ (b) $\frac{1}{4}=\frac{3}{12}$ (c) $\frac{1}{5}=\frac{4}{20}$

(d) $\frac{3}{4}=\frac{6}{8}$ (e) $\frac{2}{3}=\frac{6}{9}$ (f) $\frac{3}{5}=\frac{30}{50}$

(g) $\frac{5}{6}=\frac{15}{18}$ (h) $\frac{7}{10}=\frac{21}{30}$

6. (a) $\frac{2}{5}=\frac{4}{10}=\frac{6}{15}=\frac{5}{20}$ etc

(b) $\frac{3}{8}=\frac{6}{16}=\frac{9}{24}=\frac{12}{32}$ etc

7.


8. (a) $\frac{1}{3}$ $\frac{3}{6}$ (b) $\frac{3}{8}$ $\frac{1}{4}$ (c) $\frac{3}{4}$ $\frac{5}{8}$

9. (a) $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ (b) $\frac{3}{10}$ $\frac{7}{20}$ $\frac{2}{5}$

10. $\frac{1}{4}$ $\frac{2}{8}$

11. Stephanie $\frac{8}{12}=\frac{24}{36}$

Zoe $\frac{10}{18}=\frac{20}{36}$

Stephanie has a larger fraction of her goals than Zoe.

12. Canoeing $\frac{1}{3}=\frac{4}{12}$

Rock-climbing $\frac{1}{4}=\frac{3}{12}$

Bush-walking $\frac{5}{12}$

(a) Bush-walking has largest fraction
(b) Rock-climbing has smallest fraction

13. (a) Half (calf) (b) Quarter (water)
(c) Third (bird) (d) Rotten things
14. (a) Twentieth (b) Seventh
(c) Fourteenth (d) Fiftieth

Sheet 8

1. (a) $\frac{1}{3}$ (b) $\frac{1}{6}$
2. 13
3. (a) 8 (b) 11 (c) 14 (d) 29

4. (a) $\frac{11}{3}$ (b) $\frac{31}{6}$ (c) $\frac{24}{5}$ (d) $\frac{61}{8}$

5. $3\frac{1}{2}$ metres

6. $2\frac{1}{4}$ bales

7. (a) $4\frac{1}{2}$ (b) $3\frac{3}{4}$ (c) $3\frac{2}{5}$ (d) $5\frac{5}{6}$
8. 6
9. $2\frac{1}{2}$ hours

10. $\frac{1}{2}$ a pizza each
11. $\frac{3}{4}$ each
12. $\frac{3}{4}$ of a litre
13. 65 kg
14. 8
15. (a) $\frac{3}{4}$ (b) $\frac{3}{8}$ (c) 6 (d) $9\frac{1}{4}$ (e) $1\frac{4}{5}$

(f) $1\frac{3}{4}$ (g) 27 (h) 21
16. 6 cups
17. $1\frac{1}{2}$ and $2\frac{1}{2}$

Sheet 9

1. (a) 65.7 has 6 tens, 5 units and 7 tenths
(b) 2.359 has 2 units, 3 tenths,
5 hundredths and 9 thousandths
2. (a) 62.9 (b) 5.34 (c) 7.416 (d) 4.03
(e) 42.5
3. (a) 53.36 (b) 382.5 (c) 7.145
(d) 60.28 (e) 8.314 (f) 0.0505
4. (a) 8.3 (b) 2.71 (c) 6.09 (d) 4.851
5. (a) 0.3 (0.8) (b) (3.7) 3.59 (c) (3.4) 3.1 2.9
(d) (7.28) 7.279 (e) 0.8 $(\frac{9}{10})$ 0.75
(f) $(\frac{6}{100})$ 0.059
6. (a) $0.39 > 0.34$ (b) $2.651 < 2.657$
(c) $8.6 < 8\frac{9}{10}$ (d) $3.5 > 3\frac{9}{100}$
7. (a) 2.4 2.7 2.8 3.0 3.1 3.8
(b) 3.48 3.60 4.09 4.28 4.71
(c) 2.134 2.143 2.314 2.413
8. (a) 6.3 (b) 3.25 (c) 10.16 (d) 12.1
(e) 7.0 (f) 14.09
9. (a) 0.83 (b) 6.144 (c) 8.41 (d) 27.01
(e) 5.80 (f) 2.903
10. Min, Mit, Mog, Mif
11. (a) 0.5, 0.6, 0.7, 0.8, 0.9, 1.0, 1.1
(b) 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5
(c) 0.1, 0.2, 0.4, 0.8, 1.6, 3.2, 6.4
12. (a) 1.7 (b) 2.6

Sheet 10

1. (a) 3.5 (b) 0.4 (c) 1.4 (d) 2.25 (e) 1.13
2. (a) 2.5°C (b) 0.3°C (c) 0.35°C
3. (a) 1.4 (b) 0.035
4. (a) 0.5 (b) 0.25 (c) 0.75 (d) 3.25
(e) 5.5 (f) 9.75

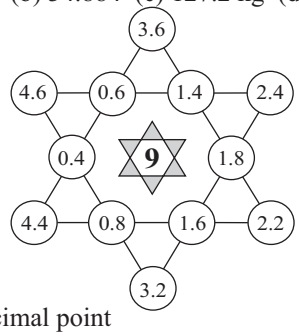
5. $6\frac{1}{10}$ 6.2 $6\frac{1}{4}$ 6.38 6.49 $6\frac{1}{2}$ 6.55
$6\frac{7}{10}$ $6\frac{3}{4}$ 6.8

6. (a) 10 (b) 10 (c) 60 (d) 200 (e) 50

7. (a) Joseph - 18.8 seconds
Dene - 19.1 seconds
Edgar - 19.8 seconds
(b) 0.7 seconds
8. 5 tennis balls, 6 cricket balls
9.

0.8	0.3	0.4
0.1	0.5	0.9
0.6	0.7	0.2

Sheet 11

1. (a) 178.79 (b) 4463.914 (c) 628.33
(d) 445.19 (e) 613.83 (f) 39.06
2. 903.992
3. 2084.23
4. 3.36 kg
5. 1.37 m
6. (a) \$5.05 (b) \$4.95
7. 2.04 m
8. (b) 123
9. (a) 8 (b) 34.884 (c) 127.2 kg (d) 25
10.


11. Decimal point

Sheet 12

1.

Fraction	Decimal	Percentage
$\frac{1}{10}$	0.1	10%
$\frac{3}{10}$	0.3	30%
$\frac{7}{10}$	0.7	70%
$\frac{9}{10}$	0.9	90%
$\frac{1}{4}$	0.25	25%
$\frac{3}{4}$	0.75	75%
$\frac{1}{2}$	0.5	50%
$\frac{1}{3}$	$0.\dot{3}$	$33\frac{1}{3}$ %
$\frac{2}{3}$	$0.\dot{6}$	$66\frac{2}{3}$ %
1	1	100%
$1\frac{1}{2}$	1.5	150%
2	2	200%
$2\frac{1}{4}$	2.25	225%

2. 30%
3. (a) B (b) C (c) B
4. 13%
5. 1%
6. (a)(i) C (ii) B (iii) D (iv) A
(b)(i) 3 (ii) 4 (iii) 3

7.

1	3	4	5	6
T	H	R	E	E

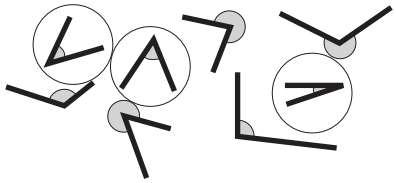
8	10	12	15	20
B	L	I	N	D

16	30	40	50
M	I	C	E

8. $60

Sheet 13

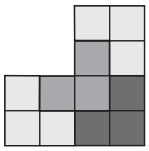
2. (a) H, J (b) H, J (c) D, G, I (d) E, F
3. (a) B, D, E, F, I, K, L, P, R, T
(b) E, F, H, I, L, T
(c) E
4.



5. C
6. B
7. (b) 55° (c) B (d) 30°
8. 13
9. (a) 10 (b) 32
10. (a) 30 (b) Parallelogram

Sheet 14

1. F (octagon), D (hexagon), B (rectangle)
A (square), E (parallelogram),
C (pentagon)
2. A, B, E
3.



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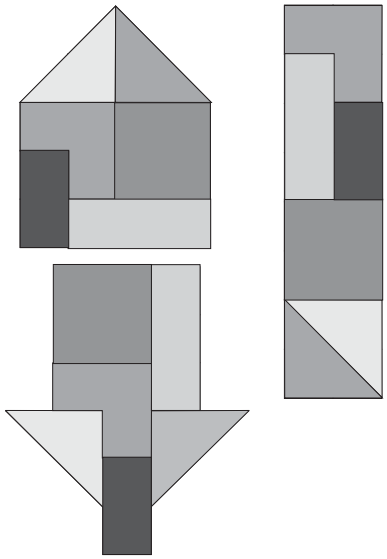
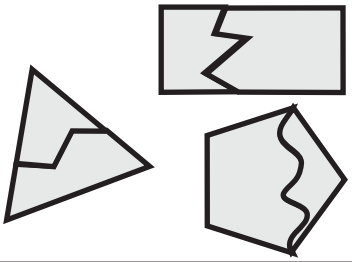


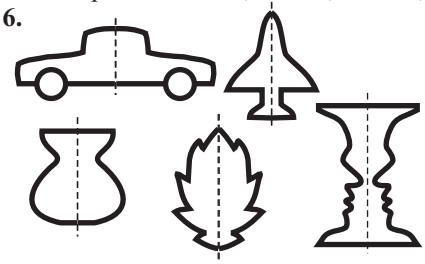
5. E
6.



7. Here is a list of some of the words:
bent, bet, bin, bit, bite, but, den, dent, die, din, dine, due, duet, edit, end, in, it, net, nib, nit, pen, pet, pin, pine, pit, put, quiet, quite, up

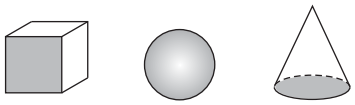
Sheet 15

1. H, I, M, O, T, U, V, W, X, Y
2. C, D, E, H, I, K, O, X
3. H, I, O, X
4. BOX, MUM, CHICK, MOTH
5. Examples are: COD, DEED, HOOD, etc
6.

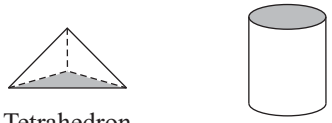


Sheet 16

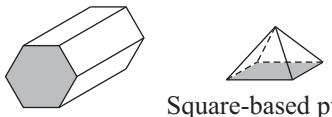
1.



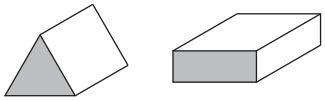
Cube Sphere Cone



Tetrahedron Cylinder



Hexagonal Prism Square-based pyramid

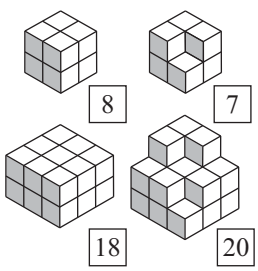


Triangular Prism Rectangular Prism

3.

Shape	Number of faces	Number of vertices	Number of edges
Tetrahedron	4	4	6
Square-based Pyramid	5	5	8
Triangular Prism	5	6	9
Hexagonal Prism	8	12	18

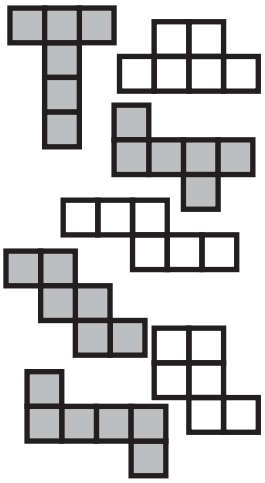
4.



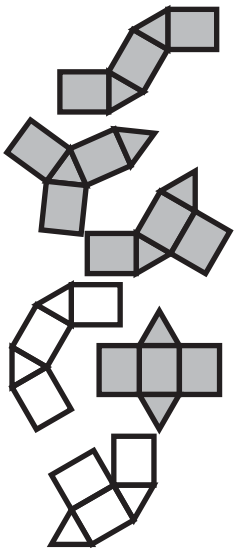
6. (a) 18 (b) 2 cm (c) 18 cm
7. (a) 64 (b) 8 (c) 8

Sheet 17

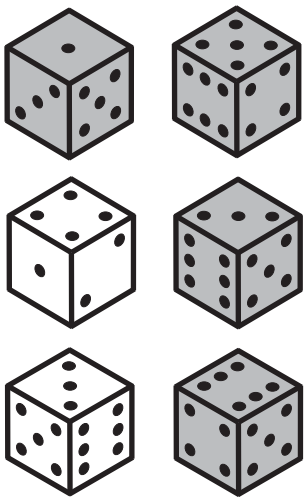
1.



2.



3.



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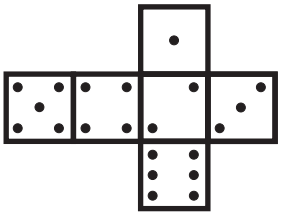


5. (a) 15
(b)(i) 2 (ii) 7 (iii) 5 (iv) 1 (v) 0

6.

M	O	P	R	I	S	M	X	L	E	F
S	Q	U	A	P	Y	R	A	M	I	D
C	U	B	H	O	C	K	E	Y	N	N
U	A	E	E	D	G	E	C	S	U	N
B	R	L	A	D	B	E	N	A	O	M
P	N	O	C	Z	N	C	N	P	L	O
L	N	M	U	O	T	I	L	L	A	B
S	T	O	B	O	L	D	L	T	F	J
T	B	L	O	C	K	S	J	Y	A	E
E	I	D	I	K	N	O	W	V	C	C
W	Q	R	D	E	H	A	R	T	F	A

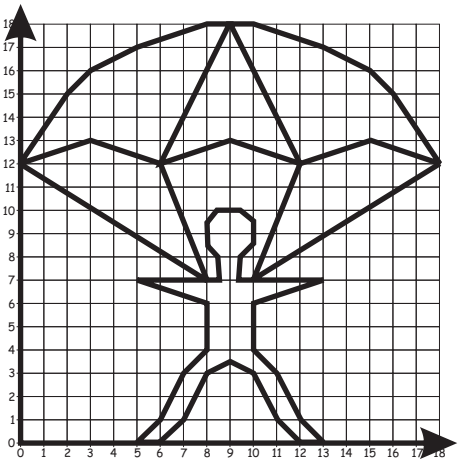
Blocks	Cone	Cube
Cuboid	Cylinder	Dice
Die	Edge	Face
Net	Object	Prism
Pyramid	Sphere	Tetrahedron

Sheet 18

1. B3 - Fire station, G6 - Library
2. Hospital - B6, Primary School - F4, Botanic Gardens - B5
3. Reid St
4. Scullin St
5. Swimming Pool
6. Police
7. Lyndall, Deekton, Flogem
8. Mount Taipan
9. Tiger Mountain
10. Flogem
11. Mount Brown
12. 5 km
13. 2 hours

Sheet 19

1. (a) east, west
(b) right
(c) right
2. (a) 2 km (b) north (c) 16 km
3. (a) U (b) D (c) C (d) B (e) R (f) M
4. (a) (4,2) (b) (2,0) (c) (0,3) (d) 3,6)
(e) (2,4) (f) (4,4)
5. (a) DOUG (b) MAT
6.



Sheet 20

1. (a) 1 minute = 60 seconds
(b) 1 hour = 60 minutes
(c) 1 day = 24 hours
(d) 1/2 minute = 30 seconds
(e) 20 minutes = 1200 seconds
(f) 1 week = 7 days
(g) 2 1/2 days = 60 hours
(h) 1 leap year = 366 days
2. (a) 30 (b) 31 (c) 31 (d) 30
3. (a) 28 (b) 42 (c) 2002
4. Saturday 6th November
5.

Event	Time
Depart	7:30 am
Arrive Benalla	10:00 am
Depart Benalla	10:30 am
Arrive Wodonga	1:00 pm
Depart Wodonga	2:00 am
Arrive Corryong	3:30 am

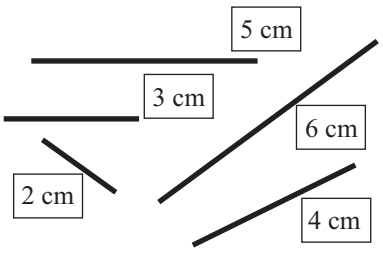
6. 48 seconds
7. (a) 3:10, ten past three
(b) 6:35, twenty-five to seven
(c) 1:40, twenty to two
(d) 10:30, half past ten
8.

12-hour time	24-hour time
9:30 am	0930
7:50 am	0750
3:55 am	0355
1:25 pm	1325
2:30 pm	1430
10:32 pm	2232
1:51 pm	1351

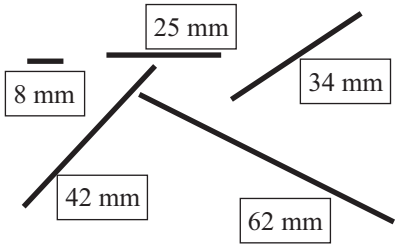
9. (a)(i) 1 hour (ii) 20 minutes
(iii) 1 hour 40 minutes
(b) 4 hours 55 minutes
10. Chicken - 4:45 pm, Potatoes - 5:15 pm

Sheet 21

1. (a) 6 14 18
(b) 9 16 27
(c) 5 15
(d) 10 25 55
(e) 60 180 240
(f) 50 130 270
(g) 20 90 135
2.



3.



4. 37 mm, 35 mm
5. horizontal - 48 mm, vertical - 51 mm
6. A - 8 cm, B - 2 cm, C - 3 cm, D - 5 cm, E - 10 cm, F - 7 cm
8.

Length	36	38	40	42	43	46
Letter	G	H	O	S	T	S

Sheet 22

1. (a) B(A) (b) A (c) D (d) C (e) B
(f) C (g) A
2. (a) metres (b) millimetres (c) metres
(d) kilometres (e) centimetres
3. (a) 2230 m (b) 1000 km (c) 100 m
(d) 120 mm (e) 150 cm (f) 20 m
(g) 8 m (h) 272 cm (i) 42 km
4. B
5. 1800 metres
6. (a) 25 metres (b) 400 steps
7. (a) A - Darwin, B - Brisbane,
C - Canberra, D - Sydney,
E - Melbourne, F - Hobart,
G - Adelaide, H - Perth
(b)(i) 2000 km (ii) 1500 km
(iii) 5000 km (iv) 4000 km

Sheet 23

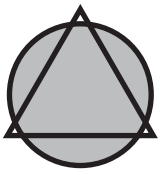
1. (a) 1 cm = 10 mm
(b) 1 m = 100 cm
(c) 1 m = 1000 mm
(d) 1 km = 1000 m
(e) 6 cm = 60 mm
(f) 3 km = 3000 m
(g) 2 m = 200 cm
(h) 7 m = 7000 mm
(i) 40 mm = 4 cm
(j) 800 cm = 8 m
(k) 6000 m = 6 km
(l) 1/2 m = 50 cm
(m) 900 mm = 90 cm
(n) 1/2 cm = 5 mm
(o) 140 mm = 14 cm
(p) 1/2 km = 500 m
2. 20 cm
3. 1 km
4. (a) 26 m (b) 30 cm (c) 32 m (d) 33 m
5. 50 cm
6. 30 cm
7. 9 cm
8. Length = 12 cm, width = 10 cm

I	O	P	R	I	S	M	X	L	P	E
N	E	R	T	E	M	I	T	N	I	M
E	U	R	H	O	C	K	F	R	R	N
M	A	H	T	D	G	E	T	S	I	A
E	R	L	I	D	B	E	N	A	M	T
R	N	O	C	G	M	E	T	R	E	S
C	N	M	U	I	N	I	L	L	T	I
S	K	L	L	O	M	E	T	R	E	D
A	P	L	O	C	K	S	L	Y	R	E
E	I	D	I	C	H	G	I	E	P	C
I	D	I	M	E	N	S	I	O	N	T

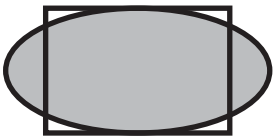
Sheet 24

1. (a)

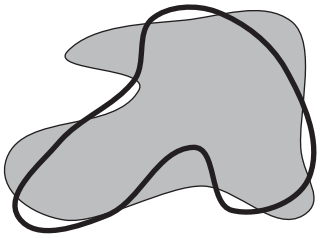
(b)



(c)



(d)



2.

A	C	B	E	F	D

3. Examples:

4. (a) 16 cm^2 (b) 8 cm^2 (c) 15 cm^2

5. approximately 18 cm^2

6.

Country	Area (km^2)
Germany	356 733
India	3 165 596
Australia	7 682 292
Brazil	8 511 965
China	9 571 300
Canada	9 970 610

Sheet 25

1. (a) 18 cm^2 (b) 20 cm^2

2. 35 cm^2

3. 80 m^2

4. (a) 24 m^2 (b) 150 m^2 (c) 7.7 mm^2
(d) 50 m^2

5. (a) 15 m^2
(b) These are two examples:

	LENGTH	WIDTH	AREA
PEN 1	4 m	4 m	16 m^2
PEN 2	6 m	2 m	12 m^2

6. $300

7. 375 m^2

8. (a) $40 (b) $48

Sheet 26

1. (a) 17 (b) 18 (c) 19 (d) 12 (e) 18
(f) 12 (g) 24 (h) 16

2. (a)

length	width	height
4 cm	3 cm	2 cm

(b) Here are two examples

length	width	height
8 cm	3 cm	1 cm
6 cm	6 cm	2 cm

3.

length	width	height	number
2 cm	2 cm	5 cm	20
4 cm	5 cm	10 cm	200

4. 9 two litre cartons

5. (a) C (b) C (c) C (d) D (e) D (f) A

6. 20

7. (a) 1000 (b) (i) 2000 (ii) 500

8. (a) 5 (b) 4

Sheet 27

1. (a) kilograms
(b) tonnes
(c) kilograms
(d) grams
(e) grams
(f) kilograms
(g) kilograms
(h) grams

2.

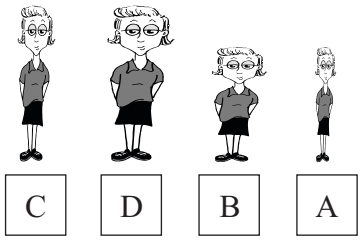
Object	Mass
Largest pumpkin	380 kg
This book	150 g
A cricket ball	250 g
A pencil	20 g
Largest whale	190 tonnes
A car	1200 kg
Largest elephant	12 tonnes
Heaviest human	635 kg
A brick	3 kg
Largest kangaroo	85 kg
Largest domestic	22 kg

3. 15

4. Boofer - 12 tablets, Spike - 6 tablets

5. Frodo - 10 kg, Bilbo - 5 kg

6.



C D B A

7. pineapple = 600 g, apple = 200 g

Sheet 28

1. (a) A (b) B (c) A

2. D B A C E

3. (a) 0.5 (b) ~0.1 (c) ~0.8 (d) ?
(e) ~0.2 (f) ? (g) 0.5 (h) ~0.1
(i) ~0.8

4. (a) caramel (b) hazelnut
(c) peppermint

5. (a) Vanita (b) 50

6. (a) Brisbane
(b)(i) 20% (ii) 40% (iii) 0% (iv) 20%
(c) South Australia, Tasmania

Sheet 29

1. (a)

Band	Number
Sisters of Singh	35
Lead Heads	20
The Elfmasters	25
Jool	10

(b) 90

2. (a) 8 (b) 15 (c) 77

3.

Juice	Number
Orange	30
Apple	20
Tomato	20
Mango	20
Pineapple	30
Total	120

4. (a) 15 kg, 17 kg, 21 kg, 22 kg, 25 kg
(b) 21 kg (c) 20 kg

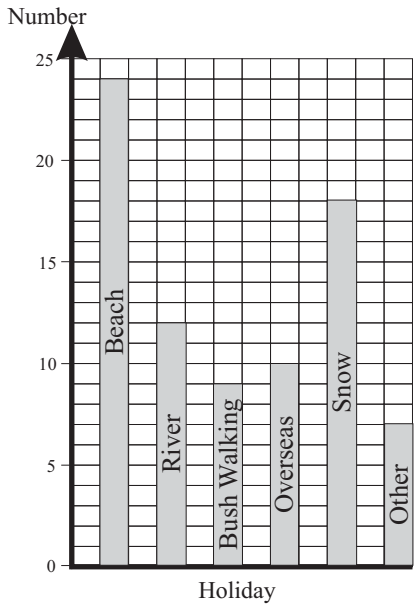
5. (a)

	1997	2000	2004
Tektra Sales	100	280	460
Cykron Sales	250	320	360

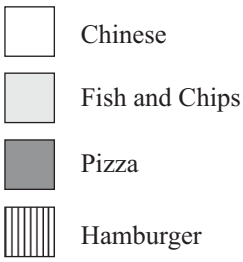
(b) 2001 (c) 2002

Sheet 30

1.



2.



3.

Project	Tally	Number
Swimming	𝍸 𝍸 𝍸 IIII	19
Skate Park	𝍸 𝍸 I	11
Sports Stadium	𝍸 𝍸 𝍸 II	17
Art Gallery	𝍸 II	7
Tennis Courts	IIII	4
Gardens	𝍸 𝍸 III	13
Library	𝍸 IIII	9
	Total	80

4.

Height (cm)	Tally	Number
120 -	IIII	4
130 -	𝍸 𝍸 IIII	14
140 -	𝍸 𝍸 𝍸 𝍸	20
150 -	𝍸 𝍸 II	12
	Total	50

Sheet 31

1. Youssef - 7, Tahg - 5
2. (a) 3 (b) 10
3. Ally - Netball
Kellie - Tennis
Sally - Squash
Nellie - Basketball
4. 6
5. (a) DAD MUM KAYAK MADAM RADAR
(b) 40 minutes (1:01)
or 70 minutes (1331)
(c) 13577531
(d)

M	U	M
M	U	D
M	A	D
D	A	D

6. 18, 7, 5 and 16, 11, 3
7. (a) 6 p.m. (b) 5 p.m.

Sheet 32

1. There will be several answers.

R	B	Y	G
Y	G	R	B
G	Y	B	R
B	R	G	Y

2. 8 hours
3. 16 games
4.

Pulley	Direction of Rotation
A	Clockwise
B	Anticlockwise
C	Clockwise
D	Clockwise

5. (a) 8 (b) 1/8
6. 1.6 litres
7. 90 seconds
8. 12.8 seconds
9. 4 Gumbledits and 2 Marokes
10. (a) 25 metres (b) 12 seconds
11. 29 minutes