88

Time Name _____

1. How many years in a decade?

10 ✓ _____[1]

2. Which months have 31 days?

Jan Mar May July Aug Oct Dec 7 - ✓✓✓
5 - ✓✓
3 [3] ✓

3. How many days are there between 25 May and 17 July inclusive?

May - ~~25~~ 7 ✓
June - 30 ✓
July - 17.
53 ✓

54 _____[3]

4. How many hours are there in 5 days?

5 x 24 = 120 ✓

_____[2]

5. How many minutes in 3 and a quarter hours?

3 x 60 = 180 ✓
180 + 15 = 195 ✓

_____[2]

6. Convert 3 hours 7 minutes to seconds.

3 x 60 x 60 10800 ✓
7 x 60 = 420 ✓

✓
11220 _____[3]

14

All 12 hr times must have am or pm else lose ½ mark

7.

a) Complete the times on the table below. [6]

The timers on video recorders often have a 24-hour display. The table below shows the starting and finishing times for various programs, and the timer settings that need to be made to record them. Complete the table.

each

Program	Timer settings
10:30 pm to 11:30 pm	22:30 to 23:30
9:15 am to 10:45 am	0915 to 1045
7:45 pm to 9:10 pm	1945 to 2110
5:30 am to 6:40 am	05:30 to 06:40
12pm to 1:30 pm	12:00 to 13:30
5:40pm to 7:20 pm	17:40 to 19:20

b) How many hours and minutes is there between 0530 and 1740?

05:30 → 10 min
05:40 → 12 hr
17:40

12hr ✓ 10 min ✓ [2]

7)

a) Give the time of the 1.7m tide on day 2 in 12 hr time.

11:04pm [1]

Day	Time	Tide (m)
1	0414	0.3
	1012	1.4
	1607	0.4
	2227	1.7
2	0458	0.4
	1052	1.3
	1637	0.5
	2304	1.7
3	0544	0.5
	1135	1.2
	1709	0.6
	2343	1.6

b) Give the heights of the afternoon tides on day 3.

✓ ✓
0.6, 1.6 ~~1709, 2343~~ [2]

c) What is the height of the tide at 4.37pm?

0.5 ✓ [1]

12

8) Using the train timetable shown answer the questions below.

LITHGOW–KATOOMBA–SYDNEY

Mondays To Fridays

Train from:		p.m.	p.m.	p.m.	p.m.	p.m.	p.m.	p.m.	p.m.	p.m.	p.m.	p.m.	p.m.
		.	.	.	.	.	.	.	.	DBO	.	.	.
Lithgow	arr	.	.	.	.	.	.	.	.	7 12	.	.	.
	dep	.	.	2 33	.	.	5 5	.	.	7 14	7 25	.	9 40
Bell..P.		.	.	2 51a	.	.	5 23a	.	.	.	7 43a	.	9 58a
Mt Victoria	arr	.	.	.	.	.	.	.	.	.	.	.	.
	dep	1 3	.	3 2	.	.	5 34	.	7 5	.	7 54	.	10 9
Blackheath		1 8	.	3 7	.	.	5 39	.	7 10	.	7 59	.	10 14a
Medlow Bath..P.		1 14	.	3 13	.	.	5 45	.	.	.	8 5a	.	10 20a
Katoomba	arr	1 20	.	3 19	.	.	5 51	.	.	.	.	.	.
	dep	1 21	.	3 20	.	5 23	5 52	.	7 21	7 55m	8 11	.	10 26
Leura		1 24	.	3 23	.	5 26	5 55	.	.	Central West XPT	8 14	.	10 29
Wentworth Falls		1 30	.	3 30	.	5 32	6 1	.	7 29		8 20	.	10 35
Bullaburra..P.(cp.)		1 36	.	3 36	.	5 38	6 7	.	.		8 26	.	10 41
Lawson		1 38	2 33	3 38	.	5 41	6 9	.	7 36		8 28	9 5	10 43
Hazelbrook		1 41	2 36	3 41	.	5 44	6 12	.	7 39		8 31	9 8	10 46
Woodford...(cp)		1 46	2 41	3 46	.	5 50	6 17	.	.		8 36	9 13	10 51
Linden..P.		1 50a	2 45a	3 50	.	.	6 21a	.	.		8 40a	.	10 55a
Faulconbridge		1 54	2 49	3 55	.	5 59	6 25	.	7 50		8 44	9 21	10 59
Springwood		1 59	2 54	4 0	.	6 4	6 30	7 10	7 55		8 49	9 26	11 4

21 24 22 23

a) What time is the first train from Lithgow. Give your answer in 12 hour time?

2·33pm ✓ [1]

b) How many minutes is the longest trip between Lawson and Woodford?

(5:41pm – 6:04pm)

~~23~~ 9 [1] 5:41 - 5:50

9)

Alice was going to the airport to pick up her friends. Their plane was scheduled to land at 1518 but was delayed and arrived 3 hours and 25 minutes late.

a) What time did the plane actually land? Give your answer in 12 hour time.

1843

6·43pm ✓ ✓ [2]

b) Once the plane had landed it took her friends another 18 minutes before they could meet up with Alice. What time did they finally meet up?

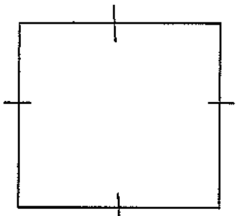
7·01pm ✓ ✓ [2]

6

2D Geometry

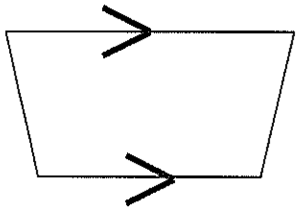
1 Name the following polygons (1 mark each)

a)



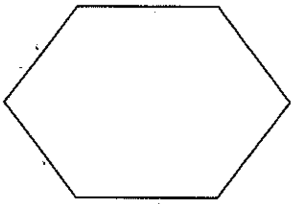
square

c)



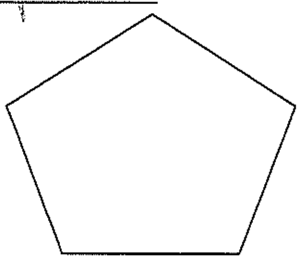
trapezium

b)



hexagon

d)



pentagon

2 Define a:

a) Ray__________ [1]

b) Line__________ [1]

c) A line segment__________ [1]

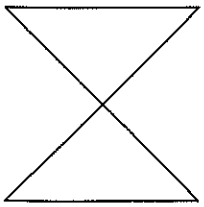
d) Vertex__________ [1]

anything reasonable

8

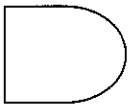
3 Explain why these are not polygons (1 mark each)

a)



crosses over ✓

b



curve ✓

4 Draw and carefully label the following :

a) a regular heptagon [2]

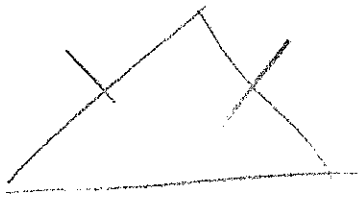
reasonable 7 sided with marks showing sides are equal

b) a kite [2]

1 for figure
1 for marking

5 Draw the following:
(Ensure you mark sides of equal length with the appropriate symbols)

a) an isosceles triangle.[2]



must look like isosceles ✓
equal sides marked ✓

8

b) a scalene triangle. Make sure you mark it appropriately. .[2]

looks scalene ✓
marked correctly ✓

6 Draw and write in the angle size of:

a) an obtuse angle. .[2]

obtuse drawn ✓
angle size given ✓

b) a reflex angle. .[2]

reflex drawn ✓
angle size given ✓

7 Draw a circle with a 3cm radius and then draw and name the following parts:
(5 marks)

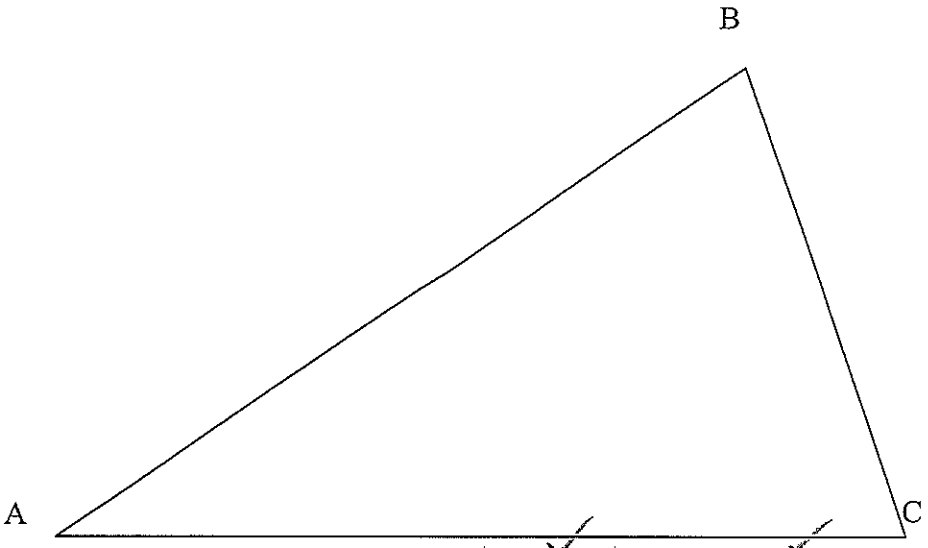
a) diameter ✓
b) arc ✓
c) radius ✓
d) centre ✓

+ plus for correct size circle ✓

11

8 Give the size of each angle in this triangle and name each angle using 3 point notation.

a)

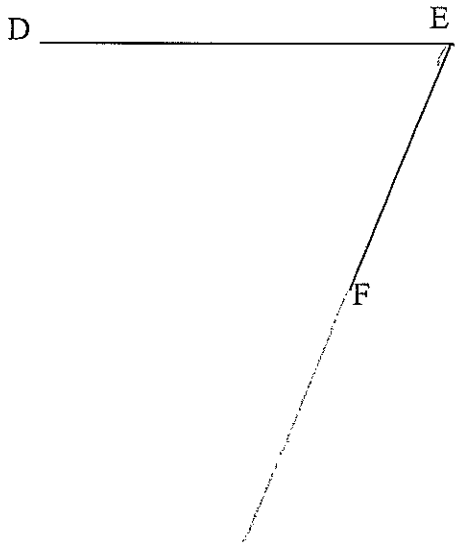


A) $B\hat{A}C$ or $C\hat{A}B$ $35° \pm 1$ [2]

B) $A\hat{C}B$ or $B\hat{C}A$ $71° \pm 1$ [2]

C) $A\hat{B}C$ or $C\hat{B}A$ $75° \pm 1$ [2]

b) Give the size of the acute angle $D\hat{E}F$.

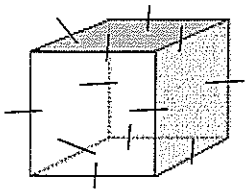


$68° \pm 1$ [1]

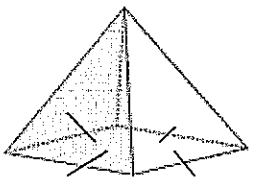
7

3D Geometry

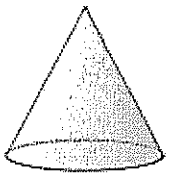
1) Accurately name each of these shapes. [10]



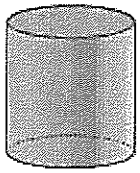
a) Cube ✓



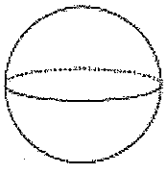
b) Square based pyramid ✓✓



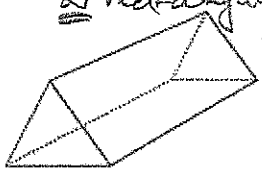
c) Cone ✓



d) cylinder ✓

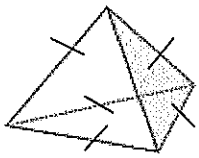


e) Sphere ✓



f) triangular prism ✓

g) rectangular prism ✓



h) tetrahedron ✓✓ or triangular based pyramid ✓

[4]

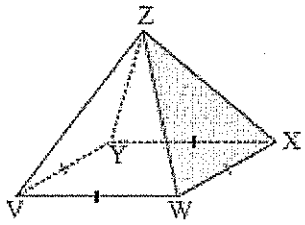
2) From the figure shown name a:

a) Vertex _____ ✓

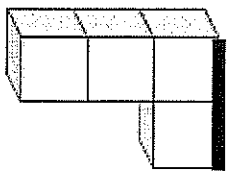
b) Edge _____ ✓

c) Face _____ ✓

d) How many faces does it have? 5



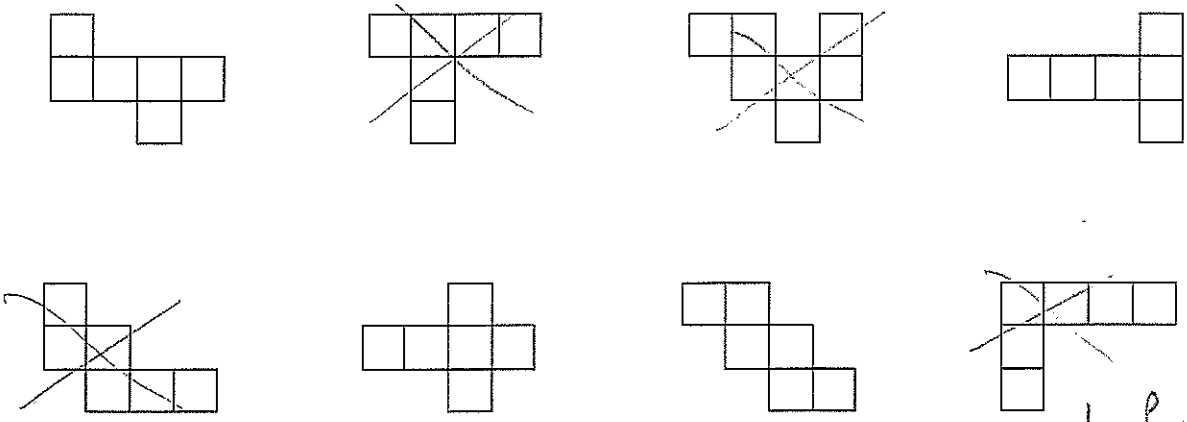
3) Draw an isometric projection of this figure. Use the darker line as the starting edge. [3]



nearly drawn ✓
figure has correct assembly of blocks ✓
figure is drawn with correct orientation ✓

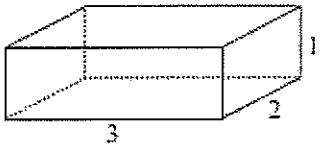
17

4) Cross out the nets that do not make up a cube. [2]

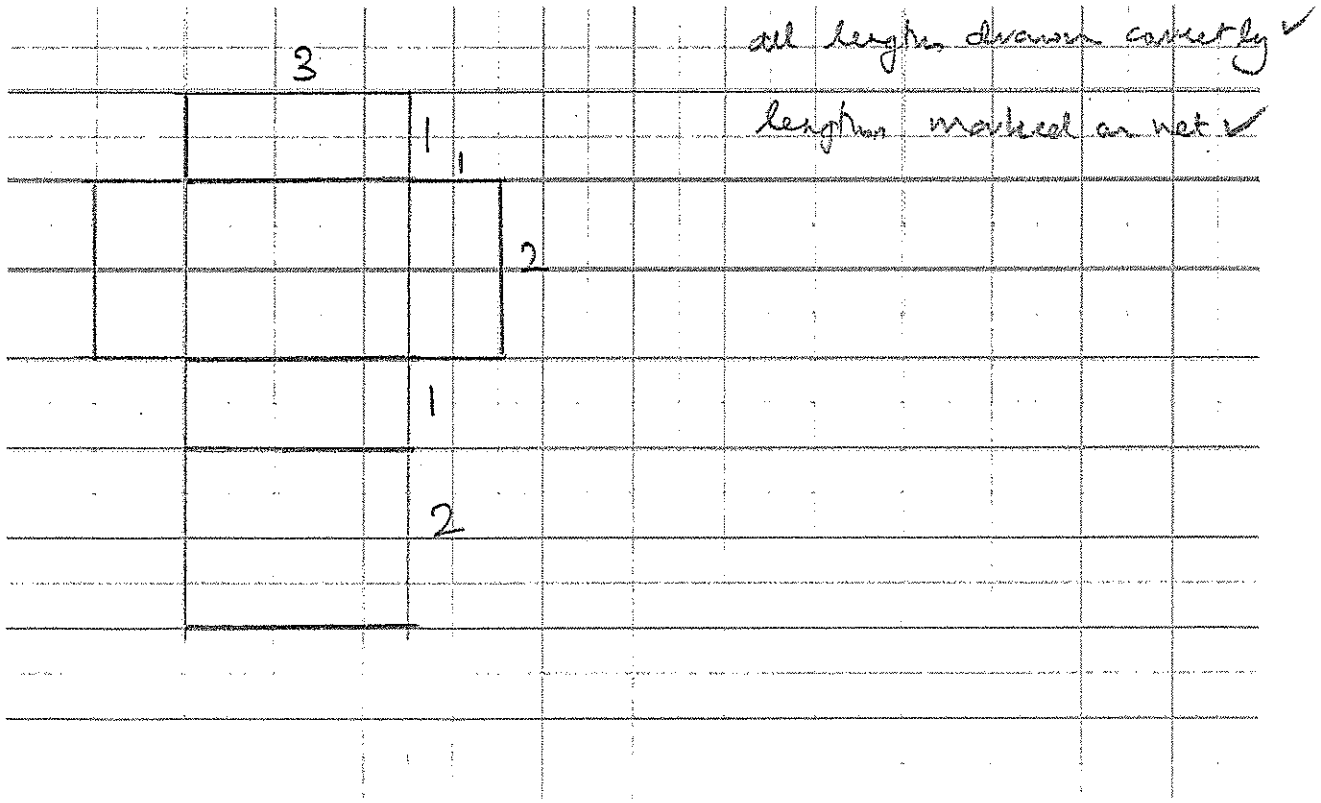


½ for each one crossed out.

5) Draw an accurate net of this figure. Use 1=1cm, and mark the length of each side on your net. You do not need to draw in tabs. [3]



net makes a cuboid ✓
all lengths drawn correctly ✓
lengths marked on net ✓



5

Year 7 Decimals, Fractions and Percentages Assessment.

Show all working

10. Find: (4 marks)

a) 30% of 120

120 ÷ 100 = 1.2

1.2 × 30 = 36

b) 45% of 160

160 ÷ 100 = 1.6

1.6 × 45 = 72

11. Complete the table: (12 marks)

Fraction (in simplest form)	Decimal	Percentage
2/5	0.4	40%
1/8	0.125	12.5%
7/20	0.35	35%
13/100	0.13	13%
13/20	0.65	65%
6/25	0.24	24%

12. Joan had a giant lollipop at school. She had eaten one third on the way to school. She ate a half of what was left at first break. How much of the original lollipop did she have left for second break.? (2 marks)

1/3

13. Jack, John, James and Jason all contributed money to buy $3 worth of chips. Jack contributed one fifth of the $3, John 40%, James three tenths and Jason 10%. How much did each of them give (in dollars and cents)? (4 marks)

Jack 60 ¢ John $1.2 James 90 ¢ 30 ¢ Jason = $3.