

Geom	etry and Time	Test 2013		Name			
[59 Ma	-						
1.	b) label it	b) label it as ABC using 3 point notation			gle of 55°	[1] [1]	
	c) state t	he type of angle it is	S.		ABC is	[1]	
2.	•	cable below by putti st one has been dor All angles equal	ne for you.		ate to describe th	ne quadrilaterals 2 pairs of parallel side	
	Rectangle		_ pa o.		7 5.0.05 0400.		
	_	X				X	
	Square						
	Trapezium						
	Parallelogram						
	Rhombus						
3.		ng words in the sen	itence belo			[4]	
	A regular polyg	gon has		and		[2]	
4.	Fill in the table	e below.					
		Polygon Name		Numbe	er of sides		
		pentagon					
		decagon				1	
				6	sides	-	

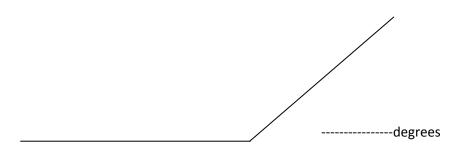
[5]

7 sides

9 sides

5.a) Measure the angle shown and write its value in the space given.

[1]



b) Name the type of angle.

____[1]

- 6. a) In the space below draw a circle with a radius of 4cm.

 The centre of the circle is already marked with an x and labeled O for you.
 - b) Draw in a <u>radius</u> and label it AO

c) Draw in a <u>diameter</u> and label it BC

[3]

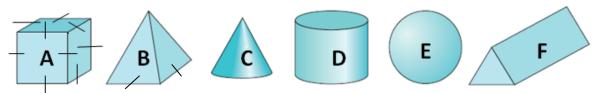
x O

/.	a)	draw a line \overrightarrow{AB} that intersects with a ray \overrightarrow{CD} . Mark the intersection of the line and the ray as E	
	S,	Thank the intersection of the line and the ray as E	
			[3]
8.	Fro	m the line drawn below:	
		A. B. C.	
	a)	Give 3 different names for the line shown below. Make sure to use the correct notation.	
		i) iii)	[3]
	b)	Name a line segment.	_[1]
	9.	The major difference between a prism and a pyramid is that prisms have across-section. (complete the sentence by writing in the missing word).	[1]
	10.	Guess the shape I have from the clues given. a) 7 faces b) 10 vertices c) 15 edges	

_[1]

11.

a) Name each of the 3D figures shown below.



6

E=____

D=____

b) Draw net for **shape B**

c) How many vertices, edges and faces does **shape F** have?

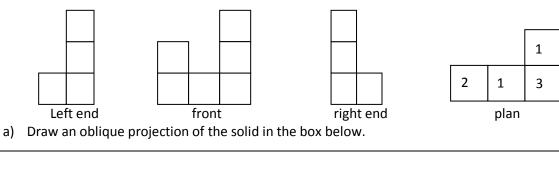
Vertices_____[1]

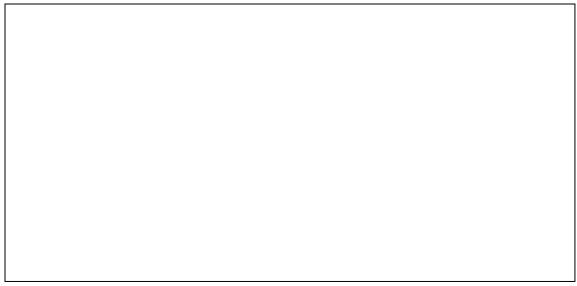
Edges_____[1]

Faces_____[1]

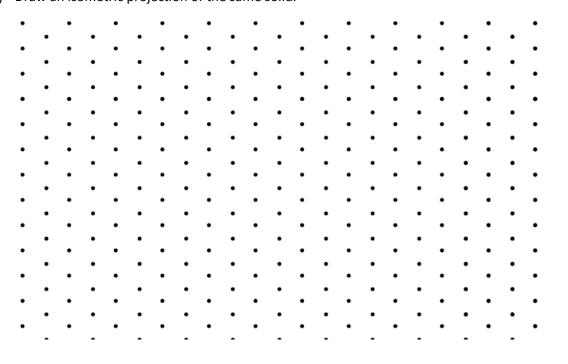
d) Draw an **oblique** projection of **shape A** in the space below.

12. Below is the plan, front and end elevations of a shape made from cubes.





b) Draw an isometric projection of the same solid.



[2]

[2]

13. Complete the table below putting in the missing times.

12 hour time	24 hour time
3.15 pm	
	18.37
	0012
12.09pm	

[4]

14.	A student has her first class at 8.30 am. Her bus normally picks her up by 8.10 am and it usually
	takes 15 minutes in the bus and then a 3 minute walk from the bus stop to school.

a)	How many	minutes	early will	she be it	everything	goes accor	rding to	schedule?
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 		 [1]
 	 	 [1]

b) If the bus is 11 minutes late, what time will she arrive at scho	time will she arrive at schoo	what time will	If the bus is 11 minutes late
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15. Convert the left column to the units given in the right column:

42 days	weeks
120 hours	days
June	minutes
1 Leap year	days
1 century	years

[5]

16. Jono drives from Auckland to Wellington. He leaves Auckland at 9.15 am and arrives in Wellington at $6.23 \, \mathrm{pm}$.

How long did he take to get to Wellington?

17	Answer the o	nuestion	using the	timetable	helow t	for trains in	n Wellington
1 /.	Allowel the t	_l uestion	using the	unietable	DEIOM	101 (141115 11	i weilington.

a) How many minutes does it take the 5.50 am train from Wellington Station to get to Pomare Station?

		[1]
b)	What do you think NS means on the timetable?	
		[1]
c)	If you need to get to Naenae Station by 7.45am, what is the t	ime of the latest train you can

catch from Petone Station?

Services:	HVL	HVL	HVL	HVL	HVL	HVL	HVL	HVL	HVL	HVL	HVL	HVL	HVL	HVL	HVL	HVL	HVL	HVL
Wellington Station Stop: WELL Fare Zone: 1	5:45 am NS	5:50 am	6:05 am NS	6:10 am	6:30 am NS	6:44 am NS	6:46 am	7:05 am NS	7:08 am	7:25 am NS	7:37 am	7:45 am NS	8:05 am	8:35 am	9:05 am OP	9:35 am OP	10:05 am OP	10:35 am OP
Kaiwharawhara Station Stop: KAIW Fare Zone: 1		5:54 am		6:14 am			6:50 am		7:12 am		7:41 am		8:09 am	8:39 am	9:09 am OP	9:39 am OP	10:09 am OP	10:39 am OP
Ngauranga Station Stop: NGAU Fare Zone: 1		5:57 am		6:17 am			6:53 am		7:15 am		7:44 am		8:12 am	8:42 am	9:12 am OP	9:42 am OP	10:12 am OP	10:42 am OP
Petone Station Stop: PETO Fare Zone: 4		6:02 am		6:22 am			6:58 am		7:20 am		7:49 am		8:17 am	8:47 am	9:17 am OP	9:47 am OP	10:17 am OP	10:47 am OP
Ava Station Stop: AVA Fare Zone: 4		6:04 am		6:24 am			7:00 am		7:22 am		7:51 am		8:19 am	8:49 am	9:19 am OP	9:49 am OP	10:19 am OP	10:49 am OP
Woburn Station Stop: WOBU Fare Zone: 4		6:07 am		6:27 am			7:03 am		7:25 am		7:54 am		8:22 am	8:52 am	9:22 am OP	9:52 am OP	10:22 am OP	10:52 am OP
Waterloo Station Stop: WATE Fare Zone: 4		6:10 am		6:30 am			7:06 am		7:28 am		7:57 am		8:25 am	8:55 am	9:25 am OP	9:55 am OP	10:25 am OP	10:55 am OP
Epuni Station Stop: EPUN Fare Zone: 5		6:12 am		6:32 am			7:08 am		7:30 am		7:59 am		8:27 am	8:57 am	9:27 am OP	9:57 am OP	10:27 am OP	10:57 am OP
Naenae Station Stop: NAEN Fare Zone: 5		6:14 am		6:34 am			7:10 am		7:32 am		8:01 am		8:29 am	8:59 am	9:29 am OP	9:59 am OP	10:29 am OP	10:59 am OP
Wingate Station Stop: WING Fare Zone: 5		6:16 am		6:36 am			7:12 am		7:34 am		8:03 am		8:31 am	9:01 am	9:31 am OP	10:01 am OP	10:31 am OP	11:01 am OP
Taita Station Stop: TAIT Fare Zone: 5	6:10 am NS	6:19 am	6:30 am NS	6:39 am	6:55 am NS	7:09 am NS	7:15 am	7:30 am NS	7:37 am	7:50 am NS	8:06 am	8:10 am NS	8:34 am	9:04 am	9:34 am OP	10:04 am OP	10:34 am OP	11:04 am OP
Pomare Station Stop: POMA Fare Zone: 5		6:21 am		6:41 am			7:17 am		7:39 am		8:08 am		8:36 am	9:06 am	9:36 am OP	10:06 am OP	10:36 am OP	11:06 am OP