

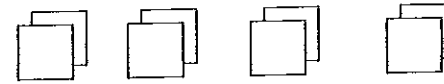
SECTION A : Number (10 Marks)

Name: _____
Teacher: _____

1. Sylvia wrote a cheque for "two hundred and ten thousand dollars" for her favourite charity group. Write this number for this cheque. (1m)
2. On a bus there are 25 primary school students and 21 high school students. How many students are there in total on this bus? (1m)
3. At Oakhill College there are 1 515 students. On Monday, there were 171 students absent from school. How many students were present on Monday at Oakhill College? (1m)
4. Luke paid \$225 for 25 footballs for his football club. What is the cost per football? (1m)
5. Timothy saves \$12 each week. How much money would he save in a year (52 weeks)? (1m)
6. A country town has a population of 7 890. If the population decreases by 1 974, find the new population. (1m)

Section A Continued

7. Six friends have four sandwiches to share.



- (A) How would they cut sandwich, so that each person receives the same amount? (1m)
- (B) How much will each friend get? (1m)
8. Tony buys a dozen boxes of cans for a birthday party. Each box has 25 cans of drink. How many cans of drink does Tony have for the party? (2m)

END OF SECTION A

SECTION B : Decimals (10 Marks)

Name: _____
Teacher: _____

1. Jackie buys \$24.78 worth of petrol. If she pays in cash, what amount does she pay ? (1m)

2. At the school Athletics Carnival, Peter jumped 4.76 metres in the long jump event. If David jumped 1.34 metres less than Peter in this event, find how far David jumped in the long jump event ? (1m)

3. Andrew buys four drinks at \$1.10 each and three hamburgers at \$3.25 each.
(A) How much does the drinks and the hamburgers cost in total ? (1m)

(B) How much change will he receive from \$20 ? (1m)

4. Harry makes a mobile phone call to Daniel at 9.40 pm.
The mobile phone call finishes at 9:50 pm

Cost of Mobile Phone calls for 30 seconds

Day Rate	50 cents	Night Rate	38 cents
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Use the above table, to answer the following questions.

- (A) How many minutes was Harry's mobile phone call to Daniel ? (1m)

- (B) Find the cost of this mobile call. (1m)

Section B Continued

5. Joanna has an annual salary of \$28455.60. Find her monthly wage. (2m)

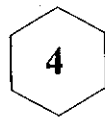
6. A tropical palm tree is growing at a rate of 1.25 cm a month. At the beginning of the year the tropical palm tree was 1.4 metres in height. How high was the tropical palm tree at the end of the year ? (2m)

END OF SECTION B

SECTION C : Shapes and Solids (10 Marks)

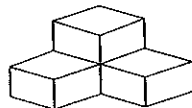
Name: _____
Teacher: _____

1. The following sign is found on the M4 Motorway.
Name this geometric shape.



(1m)

2. How many cubes does it take to build this solid?



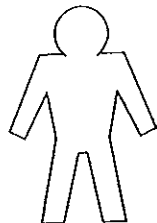
(1m)

3. The solid below is a wooden door wedge.
Name this geometric solid.



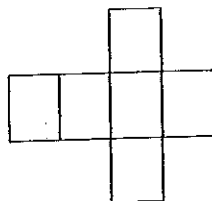
(1m)

4. The following sign is found on a bathroom door.
How many axis of symmetry has this sign ?



(1m)

5. Katherine designs a box using the following net.



(A) What type of solid is the box ?

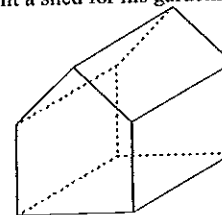
(1m)

(B) Draw a different net for this solid.

(1m)

Section C Continued

6. Victor has built a shed for his gardening equipment, as shown below.



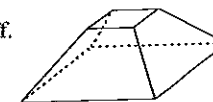
(A) What two solid form together to make this shed ?

(1m)

(B) How many vertices does this shed have ?

(1m)

7. The solid shown is a frustrum. This is a pyramid with the top cut off.



(A) Name two different shapes that are used as faces in this solid.

(1m)

(B) Draw the net of this solid.

(1m)

END OF SECTION C

SECTION D Measurement / Algebra (10 Marks)

Name: _____
Teacher: _____

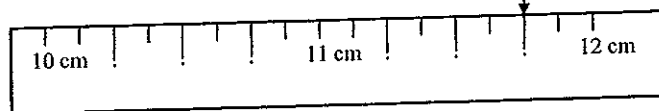
1. Using a ruler, measure the distance from X to Y.
Give your answer in millimetres. (1m)



2. Fiona walks 1.2 km to school each day.
How many metres is this distance? (1m)

3. Jim is 5 cm taller than Nick. Nick is 6 cm shorter than William.
If William is 176 cm tall, how tall is Jim? (1m)

4. What reading is given in the ruler shown below? (1m)



5. A yacht race consists of three legs. Each leg is 5 km in length.
(A) What type of triangle is formed by completing the three legs of this yacht race? (1m)

- (B) What is the total distance traveled in this yacht race? (1m)

Section D Continued

6. A triathlon consists of a 500 metre swim, a 50 kilometre bike and a 750 metre run.
What is the total distance traveled in kilometres? (1m)

7. The diagrams below show a pattern of fence designs, using wooden pales.



Fence 1



Fence 2



Fence 3

- (A) Complete the following table. (1m)

Fence (F)	1	2	3	4
Pales (P)	5	9	13	

- (B) Write down an algebraic rule for the table above. (1m)

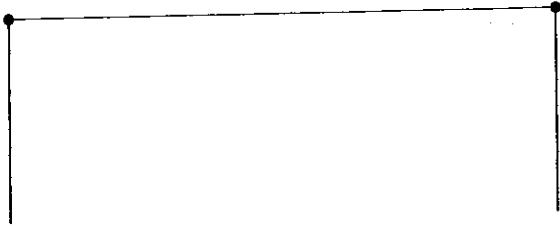
- (C) Jill needs to use Fence 50 for her back fence.
How many wooden pales does she need? (1m)

END OF SECTION D

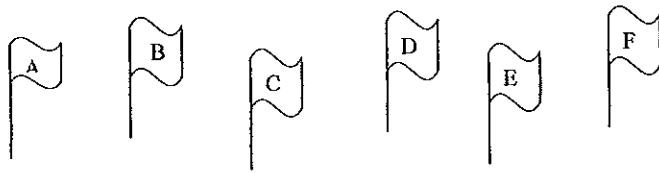
SECTION E Problem Solving (10 Marks)

Name: _____
Teacher: _____

1. Damien hangs the washing out on the line for his mother. He has only 6 pegs to use and 5 towels to dry. Each towel needs two pegs to secure it to the line. Draw a picture of how Damien hangs out the 5 towels. (1m)



2. On a jogging track, the flags are 50 metres apart. John starts at flag A. He jogs to each flag once and then walks back to flag A each time. (2m)



How many metres did John jog altogether ?

3. A bacterial culture doubles its volume every half an hour. At 8 pm the container is full. When was the container half full ? (1m)

4. If a drink and a sandwich together cost \$5, and the sandwich cost 60 cents more than the drink, how much does the drink cost ? (2m)

Section E Continued

5. Find the numbers, when the sum of four consecutive numbers is 138. (2m)

6. An obstacle course requires Danny to crawl through one of four tunnels, climb one of three ladders to get over a wall and climb through one of two hoops. (2m)

How many different paths can Danny choose to complete the obstacle course ?

END OF SECTION E
END OF ASSESSMENT TASK

SECTION A : Number (10 Marks)

46
50
Excellent work!
Name: Thomas D...
Teacher:

1. Sylvia wrote a cheque for "two hundred and ten thousand dollars" for her favourite charity group. Write this number for this cheque. (1m)

\$ 210000 ✓

2. On a bus there are 25 primary school students and 21 high school students. How many students are there in total on this bus? (1m)

25 + 21
= 46 ✓

3. At Oakhill College there are 1 515 students. On Monday, there were 171 students absent from school. How many students were present on Monday at Oakhill College? (1m)

1515 - 171
= 1344 ✓

4. Luke paid \$225 for 25 footballs for his football club. What is the cost per football? (1m)

\$225 ÷ 25
= \$9 ✓

5. Timothy saves \$12 each week. How much money would he save in a year (52 weeks)? (1m)

\$12 × 52
= \$624 ✓

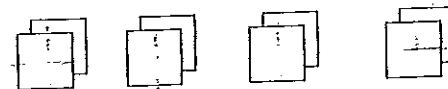
6. A country town has a population of 7 890. If the population decreases by 1 974, find the new population. (1m)

7890 - 1974
= 5916 ✓

10
10

Section A Continued

7. Six friends have four sandwiches to share.



- (A) How would they cut sandwich, so that each person receives the same amount? (1m)

Into thirds ✓

- (B) How much will each friend get? (1m)

2 ✓

8. Tony buys a dozen boxes of cans for a birthday party. Each box has 25 cans of drink. How many cans of drink does Tony have for the party? (2m)

12 × 25
= 300 ✓

END OF SECTION A

SECTION B : Decimals (10 Marks)

Name: _____
Teacher: _____

1. Jackie buys \$24.78 worth of petrol. If she pays in cash, what amount does she pay? (1m)

$$\$24.80 \checkmark$$

2. At the school Athletics Carnival, Peter jumped 4.76 metres in the long jump event. If David jumped 1.34 metres less than Peter in this event, find how far David jumped in the long jump event? (1m)

$$\begin{aligned} 4.76 - 1.34 \\ = 3.42 \text{ m} \checkmark \end{aligned}$$

3. Andrew buys four drinks at \$1.10 each and three hamburgers at \$3.25 each. (1m)

- (A) How much does the drinks and the hamburgers cost in total? (1m)

$$\begin{aligned} \$4.40 + \$9.75 \\ = \$14.15 \checkmark \end{aligned}$$

- (B) How much change will he receive from \$20? (1m)

$$\begin{aligned} \$20.00 - \$14.15 \\ = \$5.85 \checkmark \end{aligned}$$

4. Harry makes a mobile phone call to Daniel at 9:40 pm. The mobile phone call finishes at 9:50 pm

Cost of Mobile Phone calls for 30 seconds

Day Rate	50 cents	Night Rate	38 cents
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Use the above table, to answer the following questions.

- (A) How many minutes was Harry's mobile phone call to Daniel? (1m)

$$10 \text{ minutes} \checkmark$$

- (B) Find the cost of this mobile call. (1m)

$$\begin{aligned} 10 \text{ mins} \cdot 38 \text{ cents} \\ = 760 \text{c} \\ = \$7.60 \checkmark \end{aligned}$$

Section B Continued

5. Joanna has an annual salary of \$28455.60. Find her monthly wage. (2m)

$$\frac{28455.60}{12} = \$2371.3 \checkmark$$

6. A tropical palm tree is growing at a rate of 1.25 cm a month. At the beginning of the year the tropical palm tree was 1.4 metres in height. How high was the tropical palm tree at the end of the year? (2m)

$$\begin{aligned} 1.25 \times 12 \\ = 15 \text{ cm} \checkmark \end{aligned}$$

$$\text{Height} = 1.55 \text{ m} \checkmark$$

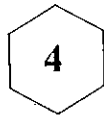


END OF SECTION B

SECTION C : Shapes and Solids (10 Marks)

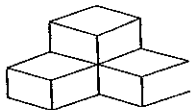
Name: _____
Teacher: _____

1. The following sign is found on the M4 Motorway.
Name this geometric shape.
hexagon ✓



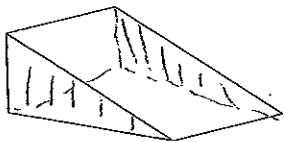
(1m)

2. How many cubes does it take to build this solid?
4 ✓



(1m)

3. The solid below is a wooden door wedge.
Name this geometric solid.

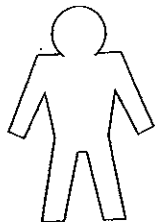


triangular prism ✓

(1m)

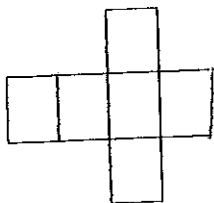
4. The following sign is found on a bathroom door.
How many axis of symmetry has this sign?

one ✓



(1m)

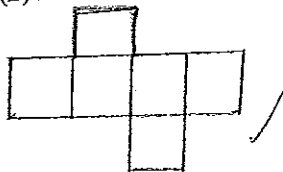
5. Katherine designs a box using the following net.



- (A) What type of solid is the box?
sub rectangular prism

(1m)

- (B) Draw a different net for this solid.

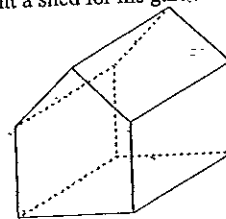


(1m)

$\frac{8}{10}$ ✓

Section C Continued

6. Victor has built a shed for his gardening equipment, as shown below.



- (A) What two solid form together to make this shed?

rectangular prism
~~square prism~~
~~triangular prism~~

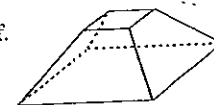
(1m)

- (B) How many vertices does this shed have?

10 ✓

(1m)

7. The solid shown is a frustrum. This is a pyramid with the top cut off.

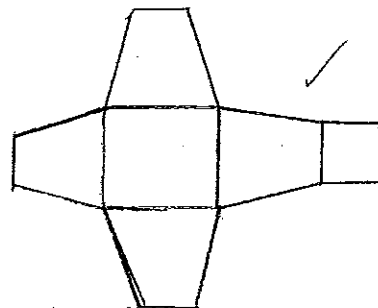


- (A) Name two different shapes that are used as faces in this solid.

- trapezium ✓
- square ✓

(1m)

- (B) Draw the net of this solid.



(1m)

END OF SECTION C

SECTION D Measurement / Algebra (10 Marks)

Name: _____
Teacher: _____

1. Using a ruler, measure the distance from X to Y. Give your answer in millimetres. (1m)



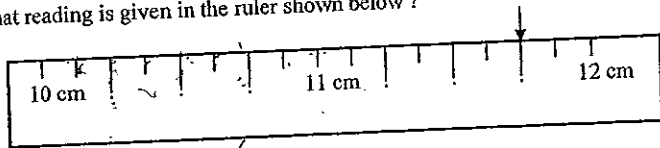
2. Fiona walks 1.2 km to school each day. How many metres is this distance? (1m)

1200m ✓

3. Jim is 5 cm taller than Nick. Nick is 6 cm shorter than William. If William is 176 cm tall, how tall is Jim? (1m)

Nick = 170cm ✓
Jim = 175cm ✓

4. What reading is given in the ruler shown below? (1m)



11.75cm ✓

5. A yacht race consists of three legs. Each leg is 5 km in length. (1m)

- (A) What type of triangle is formed by completing the three legs of this yacht race? (1m)

equilateral triangle

- (B) What is the total distance traveled in this yacht race? (1m)

15km ✓

Section D Continued

6. A triathlon consists of a 500 metre swim, a 50 kilometre bike and a 750 metre run. What is the total distance traveled in kilometres? (1m)

$$500 + 1.25 \\ = 51.25 \text{ km} \checkmark$$

7. The diagrams below show a pattern of fence designs, using wooden pales. (1m)



Fence 1



Fence 2



Fence 3

- (A) Complete the following table. (1m)

Fence (F)	1	2	3	4
Pales (P)	5	9	13	17

- (B) Write down an algebraic rule for the table above. (1m)

$$P = F \times 4 + 1 = 4F + 1 \text{ or } 4F + 1$$

- (C) Jill needs to use Fence 50 for her back fence. How many wooden pales does she need? (1m)

$$(50 \times 4) + 1 = 201 \checkmark$$

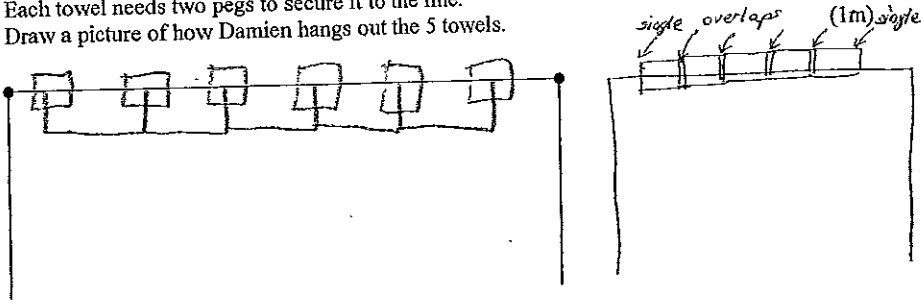
9/10

END OF SECTION D

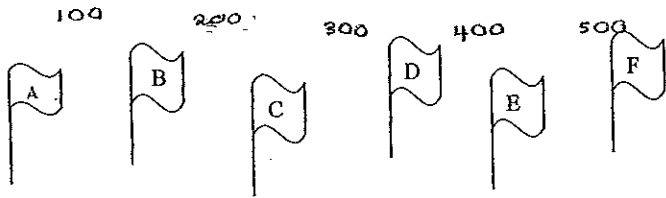
SECTION E Problem Solving (10 Marks)

Name: _____
Teacher: _____

1. Damien hangs the washing out on the line for his mother. He has only 6 pegs to use and 5 towels to dry. Each towel needs two pegs to secure it to the line. Draw a picture of how Damien hangs out the 5 towels.



2. On a jogging track, the flags are 50 metres apart. John starts at flag A. He jogs to each flag once and then walks back to flag A each time.



How many metres did John jog altogether?
 $100 + 200 + 300 + 400 + 500 = 1500m.$

(2m)

3. A bacterial culture doubles its volume every half an hour. At 8 pm the container is full. When was the container half full?

$7:30pm = \frac{1}{2}$

(1m)

4. If a drink and a sandwich together cost \$5, and the sandwich cost 60 cents more than the drink, how much does the drink cost?

$\frac{\$2.00 - \text{drink}}{\$2.80}$

(2m)

Section E Continued

5. Find the numbers, when the sum of four consecutive numbers is 138. (2m)

Working $x, x+1, x+2, x+3$
 $33, 34, 35, 36.$
 $4x + 6 = 138$
 $4x = 132$
 $x = 33$

6. An obstacle course requires Danny to crawl through one of four tunnels, climb one of three ladders to get over a wall and climb through one of two hoops. (2m)

How many different paths can Danny choose to complete the obstacle course?

1 tunnel, 1 ladder - 1 hoop
 2nd hoop.
 $2 \times 3 = 6 \times 4 = 24 \text{ paths.}$

$\frac{9}{10}$

END OF SECTION E
END OF ASSESSMENT TASK