

# St. Nicholas College

HALF YEARLY EXAMINATION  
FEBRUARY 2009  
Year 5

## Maths


Name: \_\_\_\_\_ Class: \_\_\_\_\_  
\_\_\_\_\_

Time: 1 hour 15 minutes

Total Number of Marks:

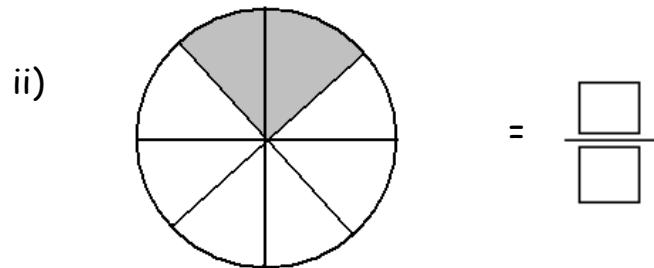
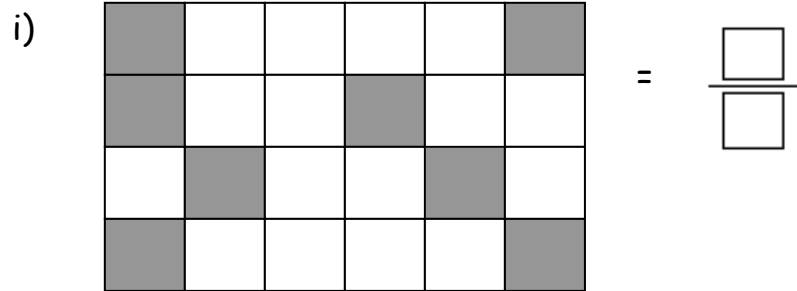
1. Fill in correctly:

(12 × 2 marks = 24 marks)

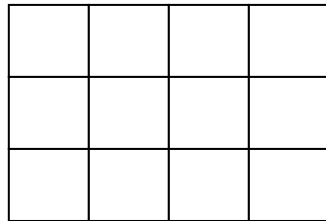
a.	15, _____, 45, 60, _____, 90
b.	$26 + 81 =$ _____
c.	$480 -$ _____ $= 275$
d.	Double 380 = _____
e.	Half of 512 = _____
f.	In  there are _____ sides.
g.	2 kg 564g = _____ g
h.	128c rounded to the nearest 10c is _____ c
i.	$\frac{1}{4}$ of 80c = _____ c
j.	Underline: An estimate of $32 \times 14$ is: 1) 100      2) 200      3) 300      4) 500
k.	$2800 \div 100 =$ _____
l.	The 4 digit in <u>4</u> 810 has a value of _____

2. a) Write down the fraction shaded:

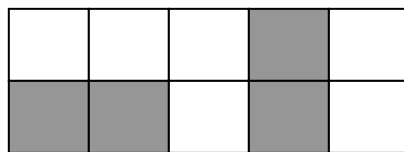
(4 x 1mark= 4 marks)



b) i) Shade  $\frac{1}{3}$  if this shape:



ii) Shade more squares to make it  $\frac{3}{5}$ .



3. Use the following symbols: <, >, =

(4 x 1 mark = 4 marks)

a) 18 \_\_\_\_\_ 36

b) 0.75 \_\_\_\_\_  $\frac{3}{4}$

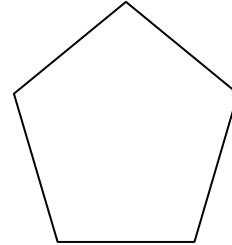
c) 128 \_\_\_\_\_ 0.128

d)  $40 \div 2$  \_\_\_\_\_  $5 \times 4$

4. Look at this five-sided shape. It has five equal sides.

(4 × 1 mark = 4 marks)

- a) It is called a regular \_\_\_\_\_.
- b) If the perimeter is 10 cm, how long is each side? \_\_\_\_\_ cm
- c) It has \_\_\_\_\_ vertices.
- d) It has \_\_\_\_\_ lines of symmetry.



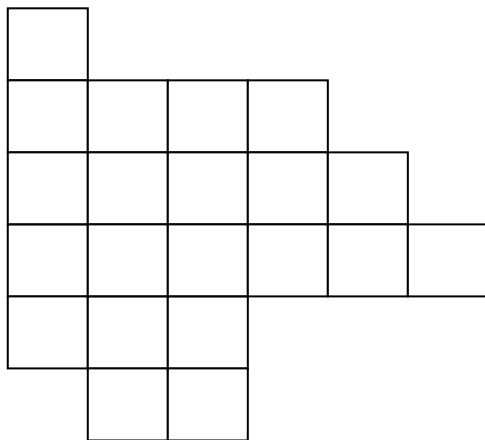
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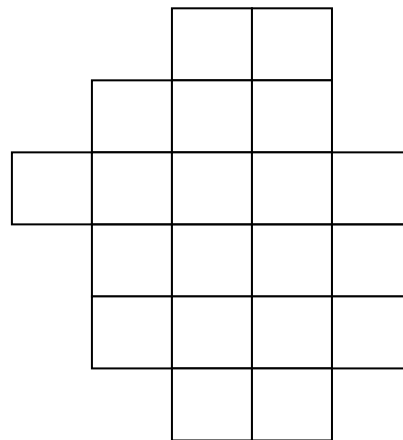
5. Each square on the grid has a side of 1 cm.:

(4 × 1 mark = 4 marks)

Shape A



Shape B



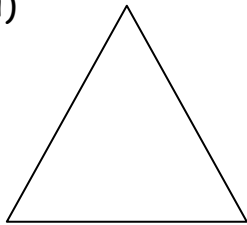
- a) The area of Shape A is \_\_\_\_\_  $\text{cm}^2$ .
  - b) The area of Shape B is \_\_\_\_\_  $\text{cm}^2$ .
  - c) The perimeter of Shape A is \_\_\_\_\_ cm.
  - d) The perimeter of Shape B is \_\_\_\_\_ cm.
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6.

(a = 2 × 1 mark = 2 marks  
b = 4 ×  $\frac{1}{2}$  mark = 2 marks)

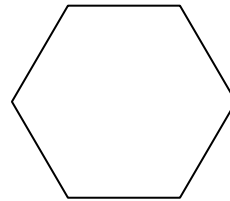
a) Write down the number of lines of symmetry that each shape has.

i)



\_\_\_\_\_ lines of symmetry.

ii)



\_\_\_\_\_ lines of symmetry.

b) These letters have lines of symmetry.

(Fill in the table below with the correct number.)

Letter	Vertical lines of symmetry	Horizontal lines of symmetry
<b>W</b>	_____	_____
<b>E</b>	_____	_____

7. School starts at 8.30 am.

(2 × 2 marks = 4 marks)



a) The first break is at 10.20 am. How much time has passed since school started?

\_\_\_\_\_ hr. \_\_\_\_\_ mins

b) If the break is 25 minutes long, at what time will it finish?

\_\_\_\_\_

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8. Round these numbers to the nearest 10.

(6 × 1 mark = 6 marks)

193 → _____	39 → _____
505 → _____	316 → _____
552 → _____	3 → _____

9. This is the Bus Schedule from Valletta to Ċirkewwa.

(4 x 1 mark = 4 marks)

BUS SCHEDULE	
Valletta	07:30
Floriana	07:37
Msida	07:52
B'Kara	08:02
Mosta	08:10
St. Paul's Bay	08:17
Mellieħa	08:25
Ċirkewwa	08:30

How long does the bus take from:

- a) Valletta to Mosta? \_\_\_\_\_ minutes.
- b) Valetta to St. Paul's Bay? \_\_\_\_\_ minutes.
- c) Msida to Ċirkewwa? \_\_\_\_\_ minutes.
- d) Floriana to Mellieħa? \_\_\_\_\_ minutes.

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10.

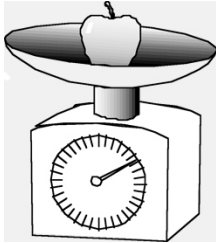
(2 x 3 marks = 6 marks)

- a) A farmer picks the apples from his orchard and fills 21 full boxes and one incomplete box. In each full box there are 35 apples. In the incomplete box there are only 12 apples. Find the number of apples that the farmer has picked.



\_\_\_\_\_ apples.

b) If one apple weighs 100g, find the weight of all the apples picked by the farmer in kg. and g.



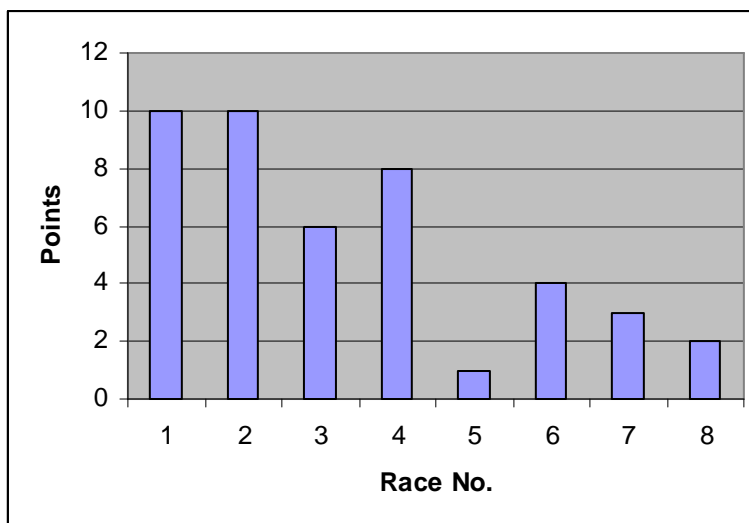
\_\_\_\_\_ kg. \_\_\_\_\_ g.

11.

(a-b = 1 x 1 = 2 marks

c-d = 2 x 2 = 4 marks)

The bar graph shows the number of points won by a F1 driver this season.



a) How many times did the driver win 10 points? \_\_\_\_\_

b) How many points did the driver win in the 5<sup>th</sup> race? \_\_\_\_\_

c) How many points did the driver win during the 8 races? \_\_\_\_\_

d) Calculate the difference in points between the 1<sup>st</sup> race and the 8<sup>th</sup> race. \_\_\_\_\_



12. A packet of orange juice contains 1.8 litres of juice.

(2 × 3 marks = 6 marks)



- a) If  $\frac{1}{3}$  of it is poured in glasses, how many millilitres of juice are left?

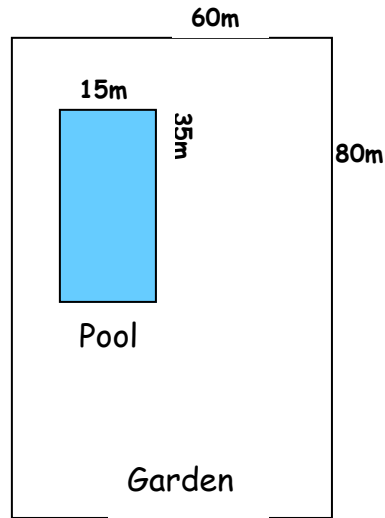
\_\_\_\_\_ml

- b) If each glass can hold 0.2 litres, how many glasses are filled?

\_\_\_\_\_ glasses

13.

(3 x 2 marks = 6 marks)



The length of a rectangular garden is 80m. and the width is 60m. There is a swimming pool of length 35m and width 15m.

a) Calculate the area of the garden.

\_\_\_\_\_ m<sup>2</sup>.

b) Calculate the perimeter of the garden.

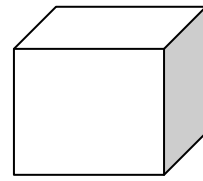
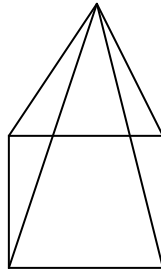
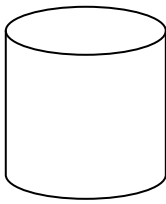
\_\_\_\_\_ m.

c) Calculate the area of the swimming pool.

\_\_\_\_\_ m<sup>2</sup>

14. Fill in the table below correctly.

(6 × 1 mark = 6 marks)



Shape	Faces	Edges	Vertices
Cylinder	3		
Cube			8
Pyramid		8	

15.

(2 × 3 marks = 6 marks)



A racing track is 4 km. long. During a race, a racing car goes round the track for 56 laps.

a) What is the distance in km. travelled by the racing car?

\_\_\_\_\_ km.

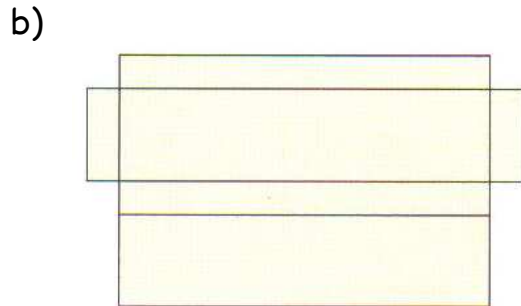
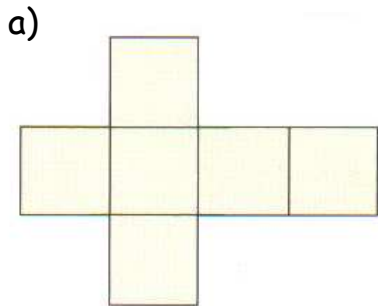
b) The racing car stops for refuelling after  $\frac{3}{4}$  of the 56 laps. Calculate the number of laps done until the stop.

\_\_\_\_\_ laps

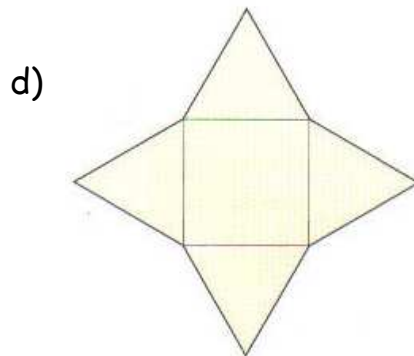
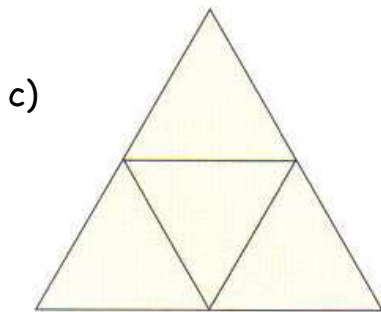
16. Write the shape made from each net.

(6 × 1 mark = 6 marks)

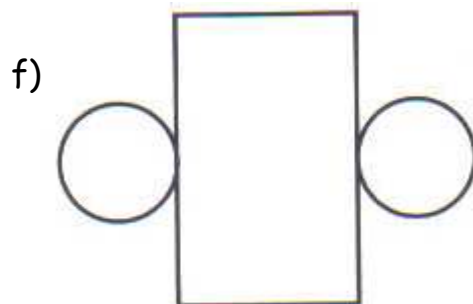
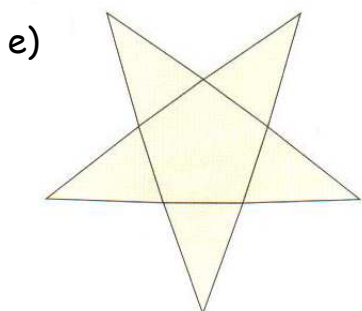
(Choose from: pentagon-based pyramid, cube, triangular-based pyramid, cylinder, square-based pyramid, cuboid)



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