



HALF YEARLY EXAMINATIONS 2011

Year 5

Mathematics

Time: 1 hour 15 minutes

Name: _____

Class: _____

Total
Mark

1. Answer the following questions:

	<u>Question</u>	<u>Answer</u>
a)	Double 450	
b)	Half of 360	
c)	Round 785 to the nearest 10	
d)	98×10	
e)	$600 \div 100 =$	
f)	What is the sum of 430 and 270?	
g)	$480 - 250 =$	
h)	$\frac{4}{8}$ is equal to $\frac{1}{2}$. Write another fraction equal to $\frac{1}{2}$.	
i)	Write the next two odd numbers. 73, 75, 77,	
j)	An estimate of $36 \times 4 =$	
k)	Write $\frac{6}{10}$ as a decimal	
l)	Write 2763 m in km and m	___km___m

2. Put <, > or =

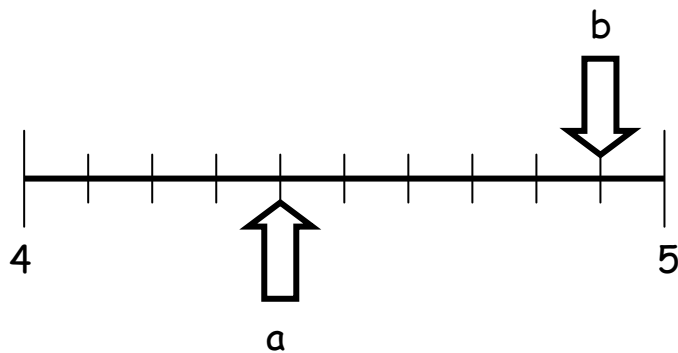
a) 4×7 5×6

b) $30 \div 2$ $60 \div 6$

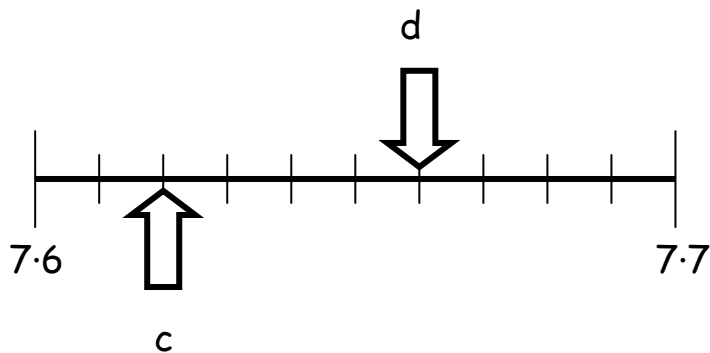
c) double 25 double 32

d) $\frac{5}{20}$ $\frac{1}{4}$

3. Write the position of each arrow



a = _____ b = _____



c = _____ d = _____

4. Match the equal weights by drawing arrows from A to B

A
1 kg
750g
2.5kg
3000g
870g
$\frac{1}{4}$ kg
8kg 7g
623g

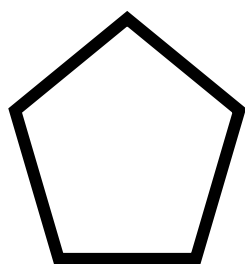
B
2500g
250g
3kg
1000g
8007g
$\frac{3}{4}$ kg
0.623kg
0.87kg

5. Solve these riddles

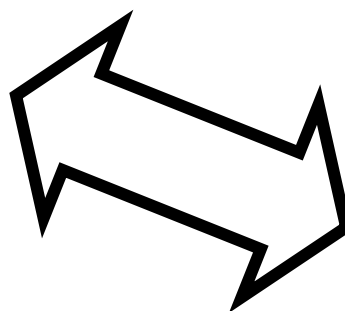
a) Multiple of 7
Multiple of 8
Even number
Its digits add up to 11
Who am I? _____

b) A common multiple of 6, 8 and 12.
An even number
Its digits add up to 6.
Who am I? _____

6a) Draw all the lines of symmetry in each shape

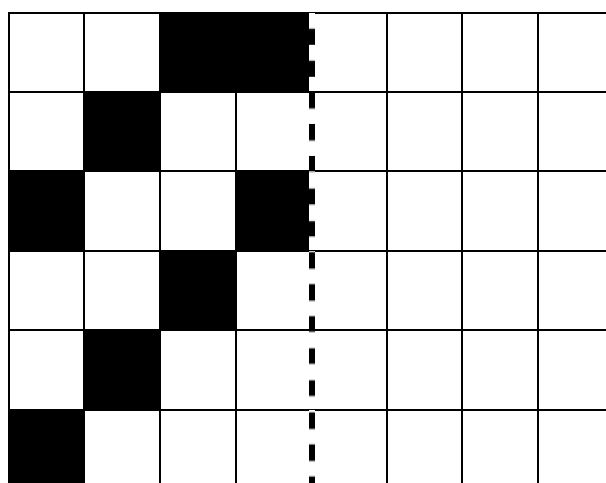


Shape A

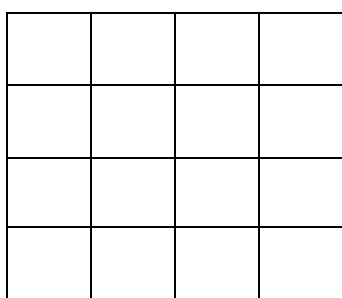


Shape B

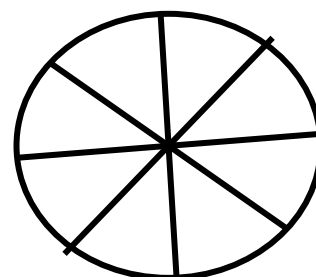
b) The dotted line is the line of symmetry. Complete the shape.



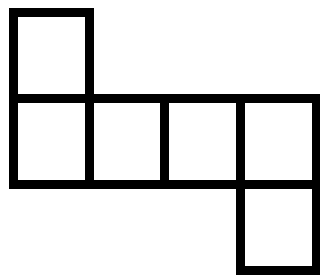
7a) Shade $\frac{1}{4}$ of this shape



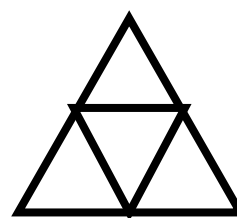
b) Shade $\frac{5}{8}$ of this shape



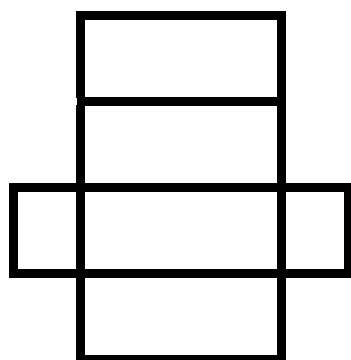
8. Write the shape made from each net.



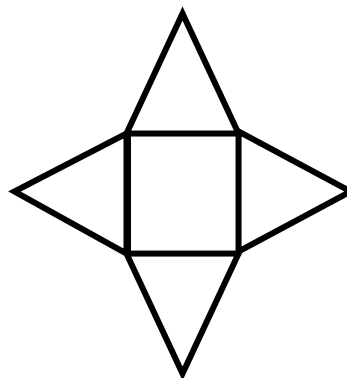
a) _____



b) _____

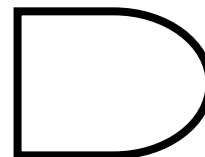
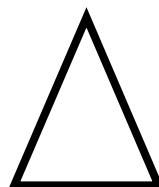
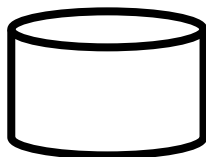
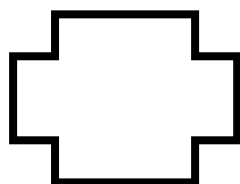


c) _____



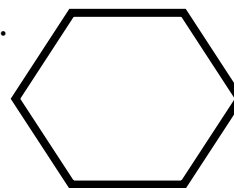
d) _____

9a) Colour the shapes that are polygons



b) Look at this shape. It has six equal sides.

- It is called a regular _____.
- It has _____ vertices.
- It has _____ lines of symmetry.
- If the perimeter is 24 cm, how long is each side? _____ cm



10a) A class of 24 pupils are put into groups of 3 to carry out a project. How many groups are there?

_____groups

b) The teacher buys a scrapbook for €1.00 and a packet of markers for €0.80 for **each group**.

- How much money does the teacher need to buy the scrapbooks and markers for **each group**?

€_____

- How much money does the teacher need to buy the scrapbooks and markers for **all the groups**?

€_____

11. During a race, a racing car goes round the track for 40 laps. Each lap is 6 km long.



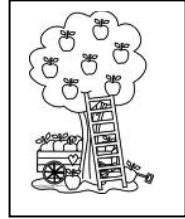
a) What is the distance in km travelled by the racing car?

_____km

b) The racing car stops for refuelling after $\frac{3}{4}$ of the 40 laps. How many laps has the racing car done before it stopped?

_____laps

12a) A farmer picks apples and fills 54 full boxes and one incomplete box. In each full box there are 9 apples. In the incomplete box there are only 7 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

13. Peter took his wife and two children on a boat trip to Comino. The tickets were priced as follows:-

Adults €5.00 each Children half price.

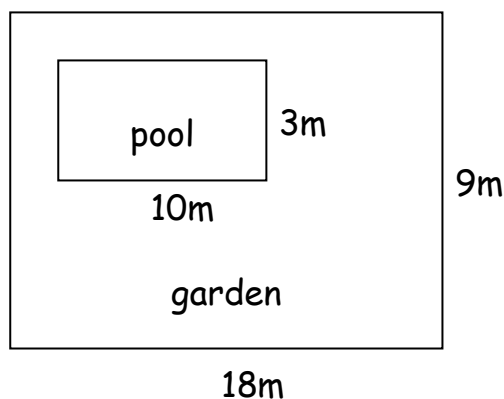


a) How much did Peter pay for the tickets?

€ _____

b) If Peter had €20.00 and Aunt Kate goes with them, would he have enough money to pay for all the tickets? Would he have any change?

14. The length of a rectangular garden is 18m and the width is 9m. There is a swimming pool of length 10m and width is 3m.



a) Find the **area** of the **swimming pool**.

_____m²








b) Find the **perimeter** of the **garden**.

_____m

c) Find the **area** of the **garden**.

_____m²

15. Work out:

Church 	School 	Police station 
	Mary's House 	Circus 
Hospital 		Airport 

Look at the map and complete with compass directions:

- a) Mary walked from her house to the hospital. She walked _____.
- b) To go from hospital to church you have to go _____.
- c) The police station is _____ of the school.
- d) From the airport, what direction is the church? _____
- e) The circus is south of (Mary's house, airport, police station).
- f) Tell Mary the direction to go from her house to the airport.
