

## MATHEMATICS PART II

1. The shopkeeper puts a total of 50 toys on 3 shelves. (2mks)

He **puts at least 14 toys** on each shelf.

Complete the table below to show one way in which he may have stacked the toys on the shelves.

Shelf	Number of toys
1	18
2	
3	
Total	50

2. Calculate:  $6 \frac{4}{8} + 13 \frac{3}{6}$  (2mks)

Answer: \_\_\_\_\_

3. Garth wants to buy a Play Station which costs \$240  
He has saved \$30 each week for the past 5 weeks  
How many more weeks does Garth need to save money to buy the Play Station if he could only save \$30 per week? (3mks)

Answer: \_\_\_\_\_

4. Mr Christopher picked a number greater than 180.  
He told Shantel to divide it by 15.  
Then He told Sean to divide the same number by 20. (3mks)

Whose answer will be smaller? \_\_\_\_\_

Explain how you know this person's answer will always be greater.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

5. Andy parks his car from 10:15 am to 4:30 pm. How much money does he have to pay for parking? (2mks)

CAR PARK RATES \$5.00 per hour or Any part thereof
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Answer: \_\_\_\_\_

6. At a party **20 children each drank 250 millilitres** (ml) of lemonade. How many LITRES of lemonade did they drink **ALTOGETHER**? (2mks)

Answer: \_\_\_\_\_

7. Eighty badges were bought for the Cub Scout students using their merit system. Each colour for a different level.

The Pictograph shows how many of each colour was bought.  
Complete the pictograph below. (3mks)

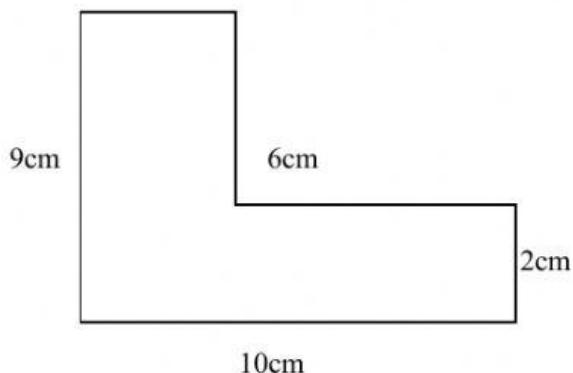
Badge Colour	Number of Badges
Magenta	☺ ☺ ☺ ☺ ☺
Turquoise	☺ ☺ ☺
Aqua	
Black	☺ ☺ ☺ ☺ ☺ ☺ ☺ ☺ ☺ ☺

Key: ☺ = 4

8. In a classroom there are 40 pupils. There are desks that can seat either 3 or 2 persons. If there are 8 desks that can seat 3 persons, how many desks are there that can seat 2 persons? (2mks)

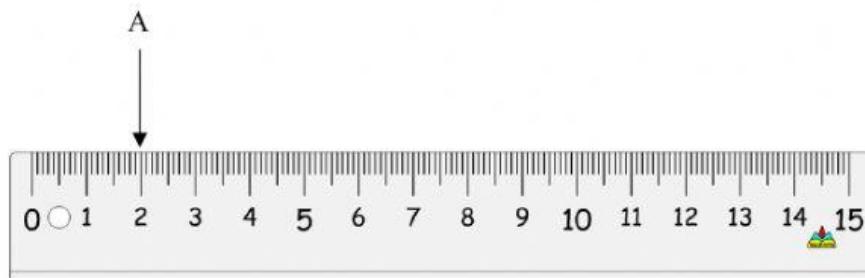
Answer: \_\_\_\_\_

9. Calculate the perimeter of this compound shape. (3mks)



Answer: \_\_\_\_\_

10. The Letter B is written 3.5 cm away from A and the letter C is written 6.5 cm away from B. (2mks)



At what point along the ruler is C located?

Answer: \_\_\_\_\_

11. The table below shows the number of mangoes eaten by students in Std. 4 class.  
(2mks)

Number of students	6	9	15	10	5
Number of mangoes eaten	0	1	2	3	4

How many students ate less than three mangoes?

Answer: \_\_\_\_\_

12. To purchase a car John borrowed \$15,000.00 for the period of 2 years from a bank. Interest is charged at 10% per annum.

a) How much interest will be paid on the loan? (2mks)

Answer \_\_\_\_\_

### Section 3

13. In 2006, Tony was 12 years old. **In 2008, Tony was 6 years older than his brother, Marvin.**

a) How old was **Marvin** in 2006?

Answer \_\_\_\_\_

b) In what year was **Marvin born**?

Answer \_\_\_\_\_

c) In what year was **Tony born**?

Answer \_\_\_\_\_

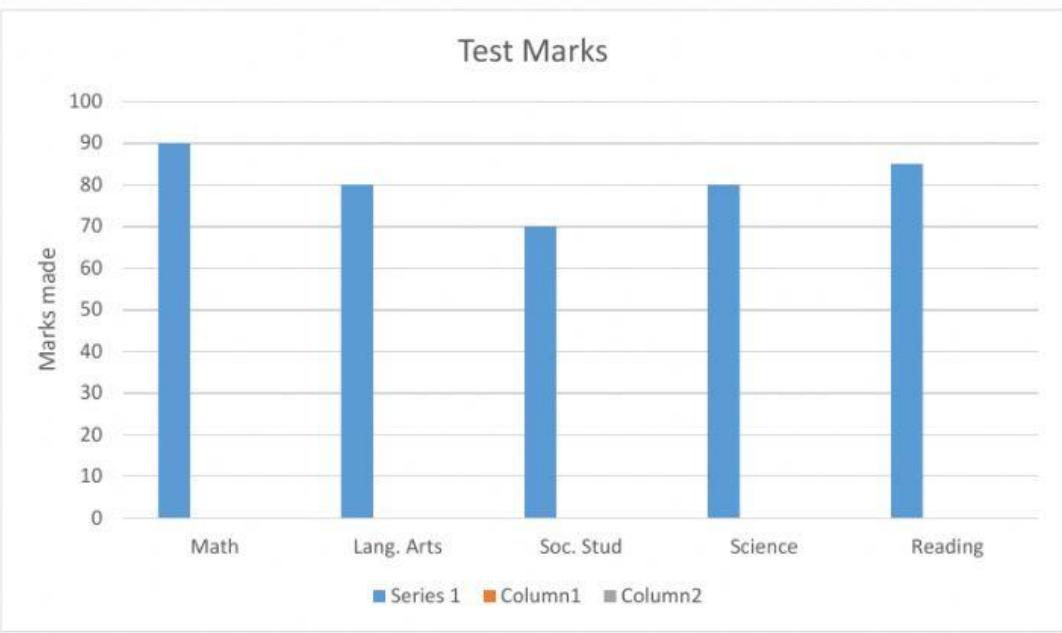
d) How old will **Tony be in 2012**?

Answer \_\_\_\_\_

14. Nia baked some cupcakes.  $\frac{1}{4}$  of them were vanilla and the rest of them were chocolate. She sold  $\frac{1}{2}$  of the vanilla cupcakes and  $\frac{1}{2}$  of the chocolate cupcakes. She had 50 cupcakes left at the end of her sale. How many cupcakes did she bake altogether?

Answer: \_\_\_\_\_

15. The bar graph below shows the marks that Andy made in five subjects.



a) What is the difference between the highest and the lowest marks?

Answer \_\_\_\_\_

b) If each test was marked out of 100 how many marks did Andy loose in all?

Answer \_\_\_\_\_

(4 mks)

16.



The diagram above represents Mr. Brown's vegetable garden.

a) What is the Perimeter of Mr. Brown's garden? (1mk)

Answer \_\_\_\_\_