

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

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)

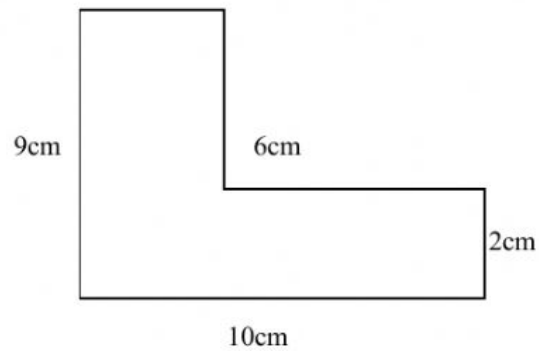
| Badge Colour | Number of Badges |
|--------------|---------------------|
| Magenta | ☺ ☺ ☺ ☺ ☺ |
| Turquoise | ☺ ☺ ☺ |
| Aqua | |
| Black | ☺ ☺ ☺ ☺ ☺ ☺ ☺ ☺ ☺ ☺ |

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)

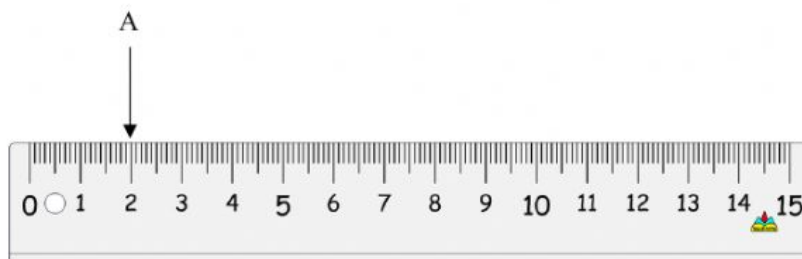
Answer: _____

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 the 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 _____

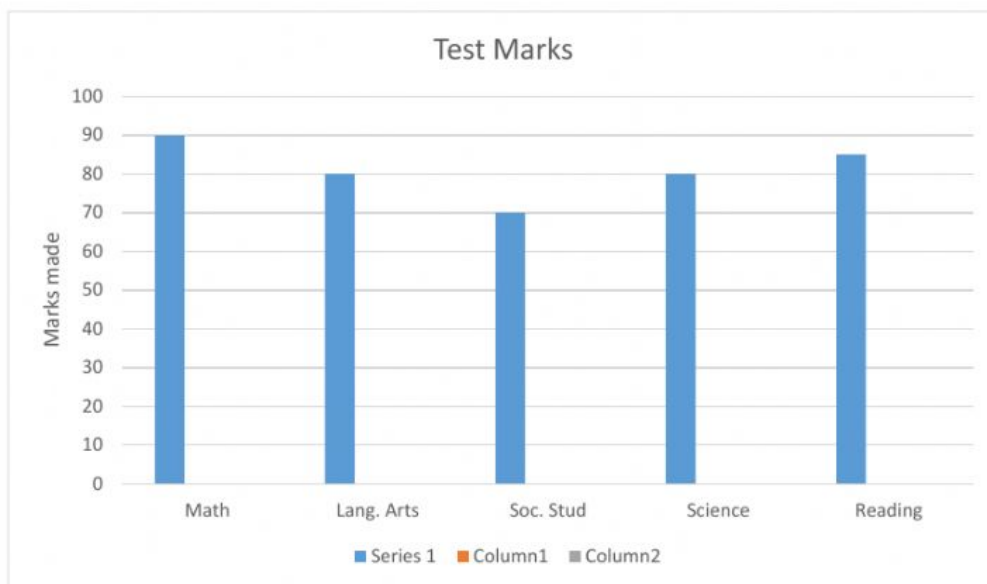
d) How old will **Tony be in 2012**?

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 cupcake 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 _____