Calculator allowed

Nan Hua Primary School
Primary 5 Mathematics
Term 2 Weighted Assessment

Marks	
Section A:	/10
Section B:	/15
Total:	/25

Name: _____( )

Class: Primary 5M/_____

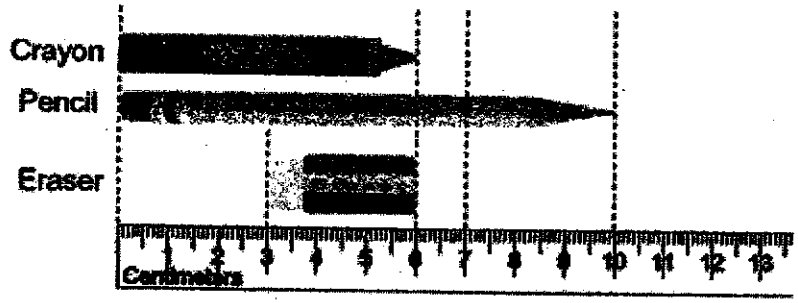
Date: _____

Duration: 40 minutes

Answer all questions.

Section A (10 marks)
Questions 1 to 5 carry 2 marks each. Write your answers in the spaces provided.
For questions which require units, give your answers in the units stated.

The diagram below is not drawn to scale.
Use the diagram below to solve question 1 and 2.



1. Find the ratio of the length of pencil to the length of eraser.

Ans: _____

2. Find the ratio of the length of crayon to the length of pencil. Give your answer in its simplest form.

Ans: _____

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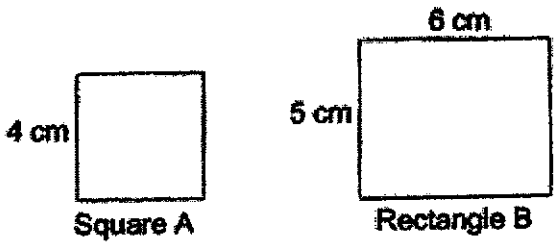
3. Find the ratio of the perimeter of Square A to the perimeter of Rectangle B. Give your answer in its simplest form.



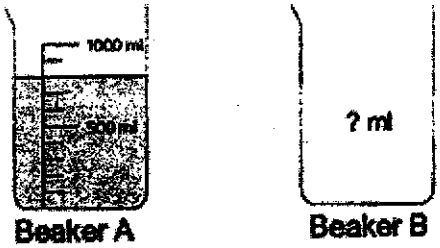
Ans: _____

4. Find the missing number in the pair of ratios below.

$$6 : 8 = 27 : \boxed{?}$$

Ans: _____

5. The ratio of the amount of water in Beaker A to the amount of water in Beaker B is 16 : 9. What is the amount of water in Beaker B?



Ans: _____ ml

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Section B (15 marks)

Questions 6 to 9 carry 2 marks each. For questions 10 to 11, the number of marks available is shown in brackets [ ] at the end of each question. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

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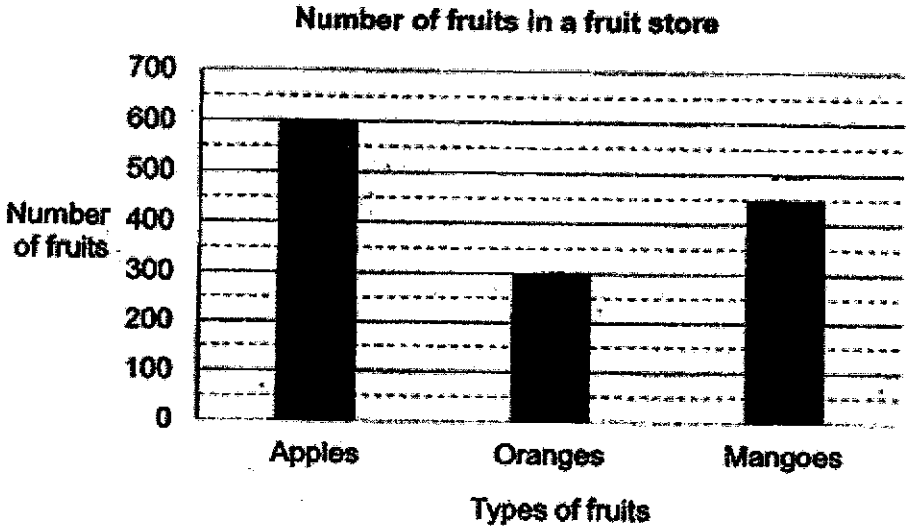
6. The bar graph below shows the number of fruits in a fruit store.



Find the ratio of the number of oranges to the number of apples to the number of mangoes. Give your answer in its simplest form.

Ans: _____

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7. The table below shows the number of girls and boys who wear and do not wear spectacles in Class 5A.

	Number of girls	Number of boys
Wear spectacles	8	?
Do not wear spectacles	7	11

The ratio of the number of girls to the number of boys in 5A is 3 : 5. Find the number of boys who wear spectacles in 5A.

Ans: _____

8. Percy is 11 years old. Bala is 15 years old. Find the ratio of Percy's age to Bala's age in 5 years time. Give your answer in its simplest form.

Ans: _____

9. The total number of pens that Alice, Peter and John have is between 45 and 50. The ratio of the number of Alice's pens to the number of Peter's pens to the number of John's pens is 1 : 2 : 5.

Each statement below is either true or false. For each statement, put a tick (✓) in the correct column.

Statement	True	False
The total number of pens that Alice and Peter have is less than the number of pens that John has.		
Alice has 6 pens.		

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10. The ratio of the number of boys to the number of girls to the number of teachers in a school is 8 : 9 : 2. There are 588 more girls than teachers.

    a) How many girls are there in the school?
    b) How many more students than teachers are there in the school?

Ans: a) _____ [2]

b) _____ [2]

11. Jie Min and her brother had some marbles. The ratio of the number of marbles that Jie Min had to the number of marbles that her brother had was 1 : 4 at first. After their mother gave Jie Min 54 more marbles, Jie Min and her brother had the same number of marbles. How many marbles did Jie Min's brother have at first?

Ans: _____ [3]

SCHOOL : NAN HUA PRIMARY SCHOOL
LEVEL : PRIMARY 5
SUBJECT : MATH
TERM : TERM 2 WEIGHTED ASSESSMENT

Q1)	10 : 3
Q2)	6 : 10 3 : 5 Ans: 3 : 5
Q3)	Square A: 4 x 4 = 16 Rectangle B: 5 + 5 + 6 + 6 = 22 Square A : Rectangle B 16 : 22 8 : 11 Ans: 8 : 11
Q4)	6 : 8 3 : 4 27 : 36 Ans: 36
Q5)	16u → 800mℓ 1u → 800 ÷ 16 = 50 9u → 50 x 9 = 450 Ans: 450ml
Q6)	Oranges : Apples : Mangoes 300 : 600 : 450 2 : 4 : 3 Ans: 2 : 4 : 3
Q7)	8 + 7 = 15 3u = 15 1u = 15 ÷ 3 = 5 5u = 5 x 5 = 25 25 – 11 = 14 Ans: 14 Boys
Q8)	11 + 5 = 16 15 + 5 = 20 P : B 16 : 20 4 : 5 Ans: 4 : 5
Q9)	Both statements are true

Q10)	a) Boys : Girls : Teacher 8 : 9 : 2 9u – 2u = 7u 7u = 588 1u = 588 ÷ 7 = 84 9u = 84 x 9 = 756 Ans: 756 girls b) 84 x 8 = 672 672 + 756 = 1428 84 x 8 = 168 1428 – 168 = 1260 Ans: 1260 students
Q11)	Jie Min : Brother 1 : 4 4 – 1 = 3 3u = 54 1u = 54 ÷ 3 = 18 4u = 18 x 4 = 72 Ans: 72 marbles