2022 PRIMARY 5 WEIGHTED ASSESSMENT 2

Name: _____( ) Date: 30 August 2022

Class: Primary 5 ( ) Duration: 60 min

Parent's Signature: _____ Marks: _____ / 30

MATHEMATICS

INSTRUCTIONS TO CANDIDATE

1. Write your name, class and register number.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Show your working clearly as marks are awarded for correct working.
5. Answer all questions.
6. You are **not** allowed to use a calculator.

Section A

Short Answer Questions

Questions 1 to 10 carry 1 mark each. Write your answers in the spaces provided.
For questions which require units, give your answers in the units stated. **[10 marks]**

1. Subtract $1\frac{5}{6}$ from $3\frac{1}{3}$. Express your answer in its simplest form.

Ans: _____

2. Convert $4\frac{2}{25}$ to a decimal.

Ans: _____

3. Arrange the decimals in increasing order.

2.38, 2.308, 23.08, 0.238

Ans: _____ → _____ → _____ → _____

4. Monica cuts a piece of string into 3 pieces in the ratio of 6 : 2 : 9. The difference between the longest and shortest piece is 21 cm long. Find the length of the longest piece of string.

Ans: _____ cm

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5. 28 boys and 22 girls attended the Primary 5 Leadership Camp last week. Express the ratio of the number of boys to the total number of children at the Primary 5 Leadership Camp in its simplest form.

Ans: _____

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6. Sammy leaves his house at 6.45 a.m. and walks to school. He arrives in school at 7.10 a.m. If he takes the same amount of time walking home, how much time does he spent travelling to and fro in a week?
(Assume he goes to school for 5 days in a week)

Ans: _____ min

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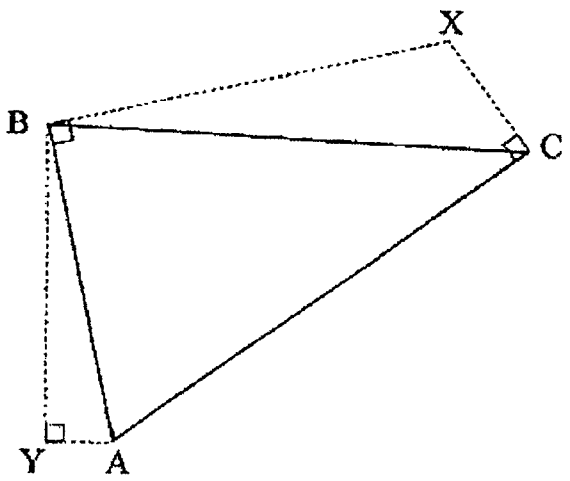
7. Identify the base and height of Triangle ABC.



Base: _____

Height: _____

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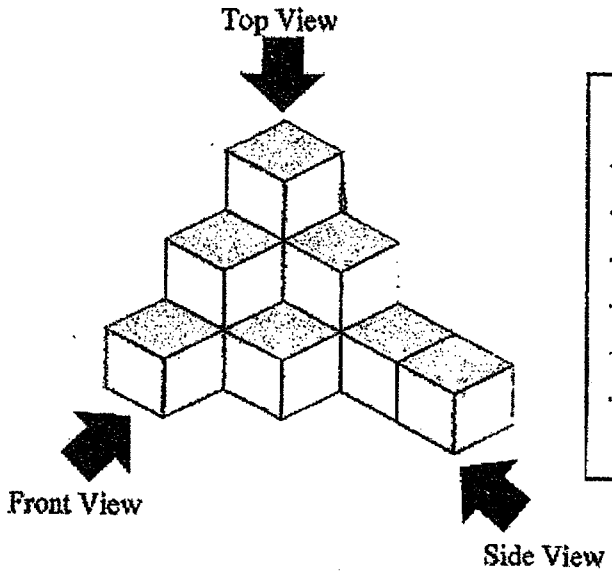
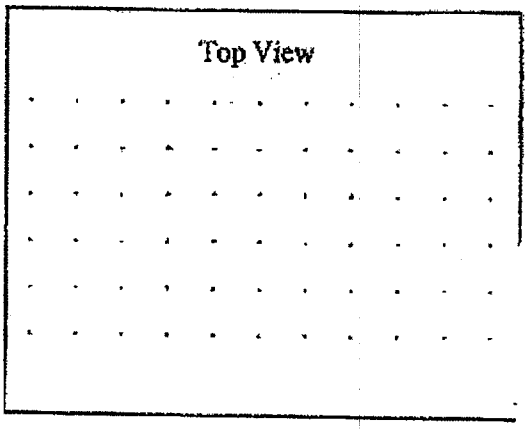
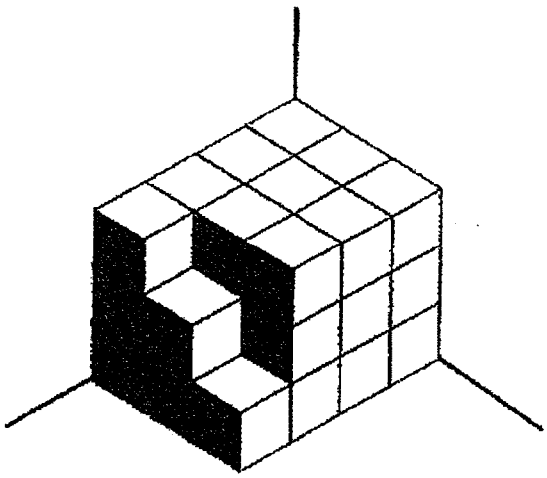
8. Draw the top view of the solid on the grid below.



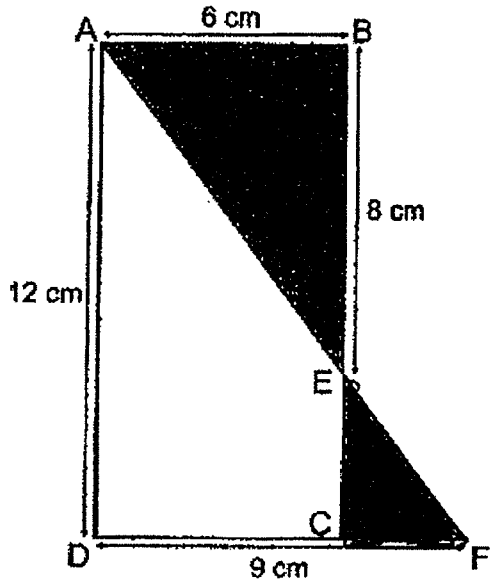


9. The solid below is made up of 1-cm cubes. Find the volume of the solid.



Ans: _____ cm^3

10. The figure shows Rectangle ABCD and Triangle CEF.
Find the total area of the shaded parts.



Ans: _____ cm^2

Section B

For questions **11** to **15**, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in the brackets [ ] at the end of each question or part-question. **[20 marks]**

11. Some people had gathered in the park for a Charity Walk. The ratio of the number of adults to the number of boys to the number of girls was 13 : 4 : 6. There were 16 more girls than boys.

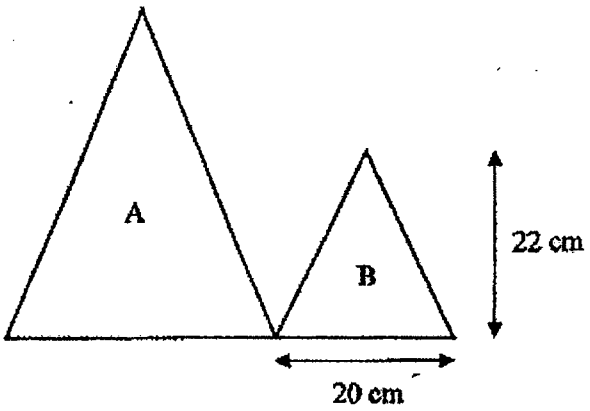
a) How many adults had gathered for the walk?

Ans: a) _____ [2]

b) How many people were there?

Ans: b) _____ [1]

12. The area of Triangle A is twice the area of Triangle B.
Find the total area of the two triangles.



Ans: _____ [3]

13. A rectangular container measuring 25 cm by 10 cm by 18 cm was filled to the brim with iced tea. Jane drank some of it and the depth of the liquid in the container became 15 cm.

a) How much iced tea did Jane drink? Give your answer in millilitres.

Ans: a) _____ [1]

b) Jane then poured some of the remaining iced tea into 5 mugs to serve her guests. She had 2 ℓ 500 mℓ of iced tea left. How much iced tea was poured into each mug? Give your answers in litres.

Ans: b) _____ [3]

14. $\frac{1}{3}$ of the fruits in a basket are oranges. $\frac{1}{3}$ of the remainder are pears and the rest are apples. There are 84 apples in the basket.

a) How many oranges are there?

Ans: a) _____ [2]

b) After selling some oranges, $\frac{3}{10}$ of the fruits left in the basket are oranges. How many oranges are sold?

Ans b) _____ [3]

15. Sharon was shopping for snacks for her goodie bags. She spent $42.50 altogether. She filled her goodie bags with chocolates and sweets. Each chocolate cost $2.70 and each sweet cost $1.40 less than the chocolate. There were 5 more sweets than chocolates. How many sweets were there altogether?

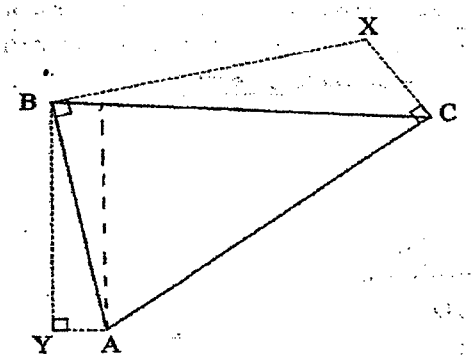
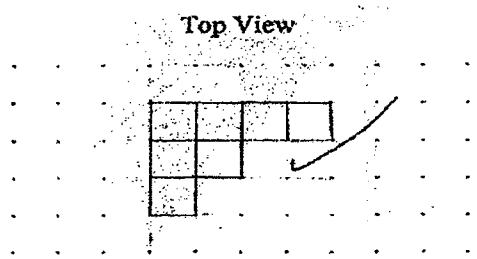
Ans: _____ [5]

End of Paper

SCHOOL : TAO NAN PRIMARY SCHOOL
LEVEL : PRIMARY 5
SUBJECT : MATHEMATICS
TERM : 2022 WA2

Section A

Q1)	$3\frac{1}{3} - 1\frac{5}{6} = 2\frac{1}{3} - \frac{5}{6}$ $= 2\frac{2}{6} - \frac{5}{6}$ $= 1\frac{8}{6} - \frac{5}{6}$ $= 1\frac{3}{6}$ $= 1\frac{1}{2}$
Q2)	$4\frac{2}{25} = 4\frac{8}{100}$ $= 4.08$
Q3)	0.238 , 2.308 , 2.38 , 23.08
Q4)	$9 - 2 = 7$ 7 units = 21 1 unit = $21 \div 7$ $= 3$ 9 units = 3 x 9 = 27cm
Q5)	$28 + 22 = 50$ boys : children 28 : 50 14 : 25
Q6)	15 min + 10 min = 25 min 1 day = 25 min x 2

	$= 50 \text{ min}$ 5 days $= 50 \text{ min} \times 5$ $= 250 \text{ min}$
Q7)	 Base : BC Height : BY
Q8)	
Q9)	$3 \times 4 \times 3 = 12 \times 3$ $= 36$ $36 - 3 = 33cm^3$
Q10)	$12 - 8 = 4$ $9 - 6 = 3$ $\triangle A = \frac{1}{2} \times 6 \times 8$ $= \frac{1}{2} \times \frac{6}{1} \times \frac{8}{1}$ $= 6 \times 4$ $= 24$

	$\triangle B = \frac{1}{2} \times 4 \times 3$ $= \frac{1}{2} \times \frac{4}{1} \times \frac{3}{1}$ $= 2 \times 3$ $= 6$ $24 + 6 = 30cm^2$
Q11)	a) adults : boys : girls 13 : 4 : 6 $6 - 4 = 2$ 2 units = 16 1 unit = $16 \div 2$ $= 8$ 13 units = 8×13 $= 104$ b) $13 + 4 + 6 = 13 + 10$ $= 23$ 1 unit = 8 23 units = 8×23 $= 184$
Q12)	$\triangle B = \frac{1}{2} \times 20 \times 22$ $= \frac{1}{2} \times \frac{20}{1} \times \frac{22}{1}$ $= 20 \times 11$ $= 11 \times 2 \times 10$ $= 22 \times 10$ $= 220$ $\triangle A = 220 \times 2 = 440$ $440 + 220 = 660cm^2$
Q13)	a) $18 - 15 = 3$ $25 \times 10 \times 3 = 250 \times 3$ $= 750$ $1\ cm^3 = 1m\ell$ $750cm^3 = 750m\ell$

	b) $25 \times 10 \times 15 = 250 \times 15$ $= 3750$ $2\ell\ 500m\ell = 2500m\ell$ $3750 - 2500 = 1250$ $1250 \div 5 = 250$ $250m\ell = 0.25\ell$
Q14)	a) 4 units = 84 1unit = $84 \div 4$ $= 21$ 3 units = $84 - 21$ $= 63$ b) $21 \times 6 = 126$ $126 \div 7 = 18$ $18 \times 3 = 54$ $63 - 54 = 9$
Q15)	$2.7 - 1.4 = 1.3$ $1.3 \times 5 = 6.5$ $42.5 - 6.5 = 36$ 1 set / 1 bag $2.7 + 1.3 = 4$ $36 \div 4 = 9$ $9 + 5 = 14$