

Nanyang Primary School
Primary 5
Mathematics
Term 3 Weighted Assessment

Name: _____ ()

Class: Primary 5 ()

Date: _____

Duration: 45 minutes

Parent's Signature: _____

Marks:

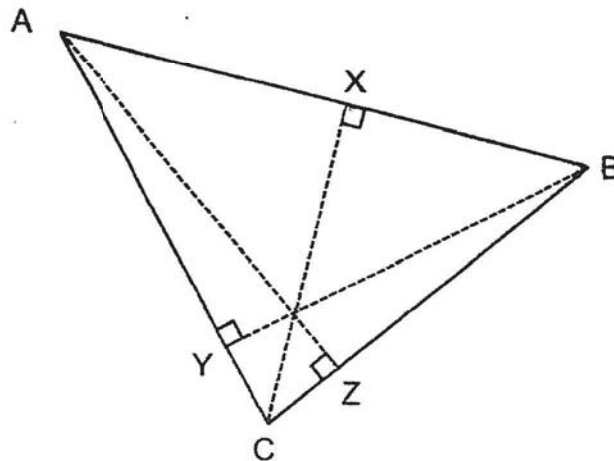
/20

Please sign and return the paper the next day. Any queries should be raised at the same time when returning the paper.

The use of an approved calculator is expected, where appropriate.

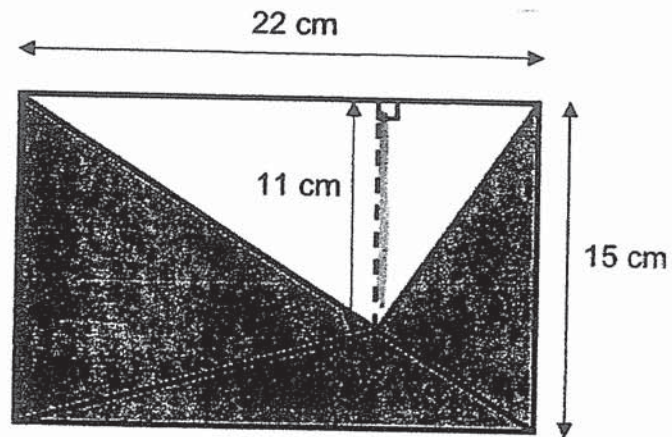
Questions 1 to 2 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (4 marks)

- 1** In the figure below, ABC is a triangle.
 Identify the height of triangle ABC when the given base is AB.



Ans: _____

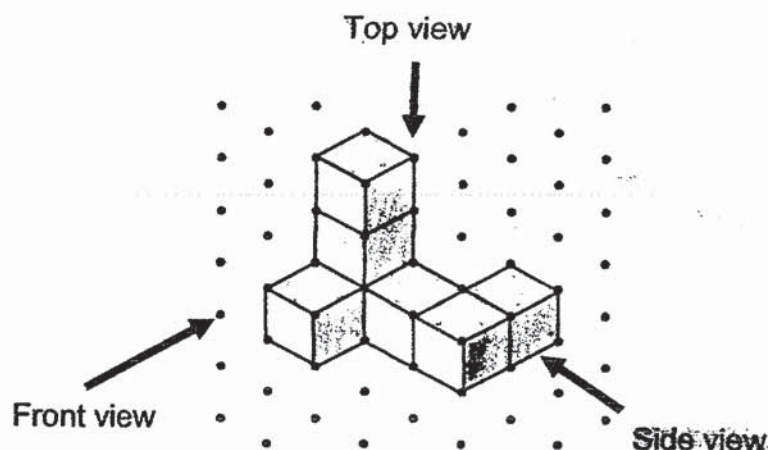
- 2 In the figure below, four triangles of different sizes are joined together to form a rectangle. Find the total area of the shaded parts.



Ans: _____ cm^2

For questions 3 to 6, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [] at the end of each question or part-question. (16 marks)

- 3 The solid shown below is made up of 1-cm cubes.



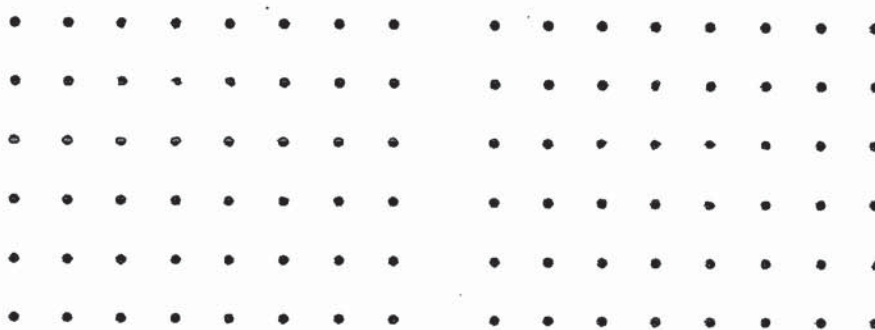
- (a) What is the volume of the solid?

Ans: (a) _____ [1]

- (b) Draw the top view and the side view of the above solid on the grids below.

Top View

Side View



[2]

4 A sack contained 13 kg 70 g of sugar.

- (a) Express the amount of sugar in the sack in grams.
- (b) After packing some of the sugar in the sack into 45 equal packets, there was 560 g of sugar left in the sack. What was the mass of sugar in each packet?
Give your answer in kilograms.

Ans: (a) _____ [1]

(b) _____ [3]

- 5 The table below shows the amount of water used by Mr Tan's family from July to October. The amount of water used in June, November and December are not shown.

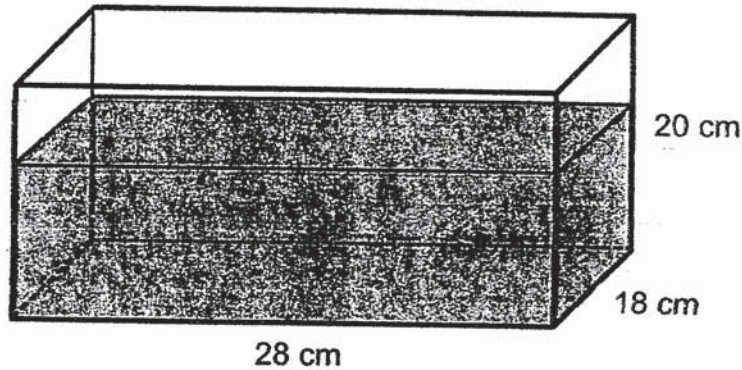
Month	Amount of Water Used (ℓ)
June	?
July	16 821.5
August	15 325.6
September	14 029.2
October	16 124.0
November	?
December	?

- (a) Mr Tan's family used 2500 ℓ more water in July than in June. How much water did Mr Tan's family use in **June**?
- (b) How much water did Mr Tan's family use from August to October?
- (c) The total amount of water used by Mr Tan's family in November and December was 1600.5ℓ more than the amount of water used in July.

Write down one possible set of values for the amount of water used in November and December.

Ans: (a) _____ [1]
 (b) _____ [2]
 (c) _____ [2]

- 6 A rectangular tank measuring 28 cm by 18 cm by 20 cm was $\frac{4}{5}$ full of water.



- (a) Find the volume of the water in the tank.
- (b) Mr Raja filled 2 identical large bottles and 5 identical small bottles to the brim with half of the water from the tank. He then filled 1 such large bottle and 7 such small bottles to the brim with the remaining amount of water in the tank. What was the total capacity of 1 such large bottle and 1 such small bottle?

Ans: (a) _____ [1]

(b) _____ [3]

End of Paper

ANSWER KEY

YEAR : 2020
 LEVEL : PRIMARY 5
 SCHOOL : NANYANG
 SUBJECT : MATHEMATICS
 TERM : WEIGHTED ASSESSMENT (SA1)

Q1. XC

Q2. $15 - 11 = 4$

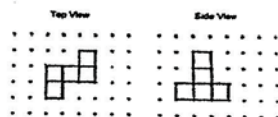
$$\frac{1}{2} \times 11 \times 22 = 121$$

$$22 \times 15 = 330 \text{ (TOTAL RECT)}$$

$$330 - 121 = 209 \text{ cm}^2$$

Q3 a) 7 cm^3

b)



Q4 a) $1 \text{ kg} = 1000 \text{ g}$

$$13 \text{ kg} = 13000 \text{ g}$$

$$13000 + 70 = 13070 \text{ g}$$

b) $13070 - 560 = 12510$

$$12510 \div 45 = 278$$

$$278 \text{ g} = 0.278 \text{ kg}$$

Q5 a) $16821.5 - 2500 = 14321.5$

$$\text{b) } 15325.6 + 14029.2 + 16124 = 45478.8$$

$$\text{c) } 16821.5 + 1600.5 = 18422$$

$$18422 \div 2 = 9211 \text{ L, } 9211 \text{ L}$$

Q6 a) $28 \times 20 \times 18 = 10080$

$$10080 \div 5 = 2016$$

$$2016 \times 4 = 8064 \text{ ml}^3$$

b) $8064 \div 2 = 4032$

$$2 \text{ L} + 5 \text{ S} = 4032$$

$$1 \text{ L} + 7 \text{ S} = 4032$$

$$4032 \times 2 = 8064 \text{ (2L + 14S)}$$

$$4032 = 9 \text{ S}$$

$$4032 \div 9 = 448 \text{ (1S)}$$

$$448 \times 7 = 3136$$

$$4032 - 3136 = 896 \text{ (1L)}$$

$$896 + 448 = 1344 = 1 \text{ L } 344 \text{ ml}$$

END