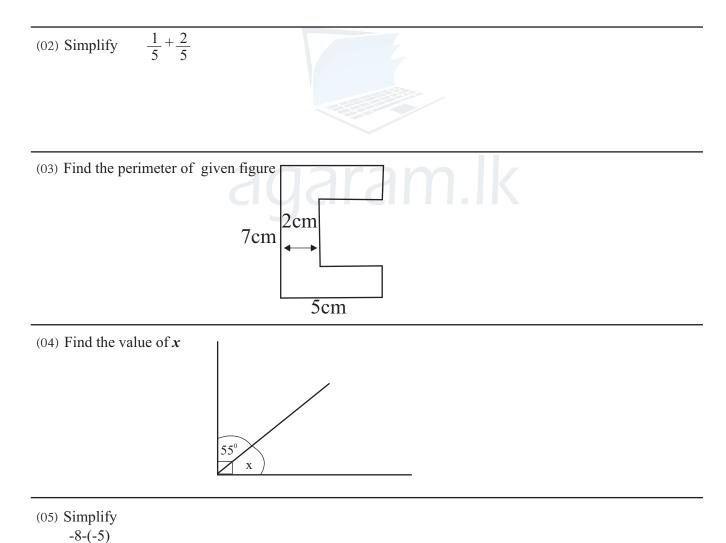


Part I

(01) Find the general term of the number pattern, 3,6,9,12,



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(06) Solve x-2 = 8

(07) If 900 = 2x2x3x3x5x5, Find the value of $\sqrt{900}$

(08) Simplify 1.02 x 100

(09) Find the least common multiple (LCM) of 3,4 and 6

(10) Simplify 2 (3x-1)

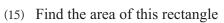
(11) The mass of a bulk of vegetables is 1050 kg. Express it in metric tons.

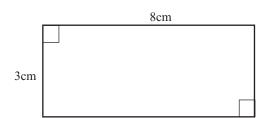
(12) Find the value of x $(2x5)^{x} = 2^{2}x5^{x}$

(13) Factorize ax + 2a



- (14) Consider the solid which can be made by combining two of the given nets
 - i. What is the name of the solids?
 - ii. How many faces are there in that solid?





(16) A = { even numbers between o and 10 }Represent this set in a venn diagram

(17)	Find the value of	Х	、
			\backslash

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- (18) The price of 600 g sugar is Rs. 60. Find the price of 1 kg of sugar
- (19) Centre of a circle is "o" and "A" is a point on the circle. If OA = 8cm find the length of the diameter of the circle.

Part - II

* 16 marks will be given for the 01 question and 11 marks for the other questions.

(01) Remind the activity that you have done relevant to the lesson " solids" with the guidance of your maths teacher.

ii. Name a sol iii. Draw a sha iv. Write two c	lid that you have mad ape of a face of a regu other names of the pla	ship between the edges, vertices and faces of a sol le and verify Euler's relationship for that solid. Ilar tetrahedron and write it's name atonic solids that you can make using the shape ab	(3 marks) (3 marks) pove. (3 marks)
	ame of the solid whic suboid Draw a diagra	ch is made using the faces of octahedron and faces m of the said solid.	sused (4 marks)
(02)AB and CD are CÔF BÔF AÔD BÔE	e straight lines. Accor = 45° = x = 80° = 90°	rding to the information marked in the figure.	C F

	F
i. Find the value of x	(3 marks)
ii. Find the magnitude of AOC	(2 marks)
iii. Write an adjacent angle for AOC	(2 marks)
iv. Write a complementary angle for BOO	G (2 marks)
v. Find the magnitude of DOE	(2 marks)

- (03) a) Simplify (I) $(xy)^2$
 - b) (i) Find the value of (+4) (-2) by using the number line (ii) Simplify $\frac{7 \text{ x } (-4)}{(-2)}$
 - c) Write the following numbers as a product of prime numbers. (2 marks) 72 = 50 =
 - (ii) Find the value of $\sqrt{72 \times 50}$
- (04) a) 25 t of rice is stored in a rice storage.
 - i. If that rice was packed into packets of 10 kg. Find how many packets will be there.

(3 marks)

ii. If that rice was transported using trucks which has the maximum weight limit of 2000 kg. How many trucks will be needed to transport the rice. (2 marks)



В

G

80

Е

D

(2 marks)

(3 marks)

(2 marks)

(2 marks)

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