



CLASS: VI
DATE: 16/01/2024

MAX. MARKS: 20
TIME: 40 MINUTES

General Instructions:

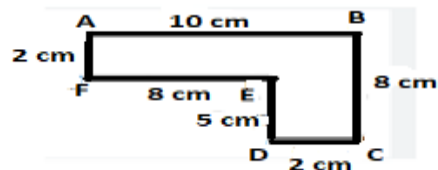
1. This question paper contains four sections - A, B, C and D. Each section is compulsory.
However, there are internal choices in some questions.
2. Section A has 4 MCQs and 1 Assertion-Reason based question of 1 mark each.
3. Section B has 2 Very Short Answer (VSA)-type questions of 2 marks each.
4. Section C has 2 Short Answer (SA)-type questions of 3 marks each.
5. Section D has 1 Long Answer (LA)-type question of 5 marks.

SECTION – A

[This section comprises of multiple-choice questions (MCQ) of 1 mark each]

1. Convert 5 kg 5g into kg
(a) 5.005 kg (b) 5.05 kg (c) 5.5 kg (d) 0.55 kg

2. The perimeter of the given figure is
(a) 28 cm (b) 35 cm
(c) 30 cm (d) 27 cm



3. The value of $2.5 + 3.05 - 4.005$ is equal to
(a) 1.545 (b) 1.455 (c) 1.554 (d) 0.545

4. The breadth of a rectangle whose area is 12 sq.m and length 4 m is:
(a) 3 cm (b) 10 m (c) 48 m (d) 3 m

5. A statement of assertion is followed by a statement of reason. Choose the correct option.

Assertion (A): The perimeter of a regular pentagon with side 11cm is 55cm.

Reason (R): Perimeter of a regular pentagon = $5 \times$ length of each side.

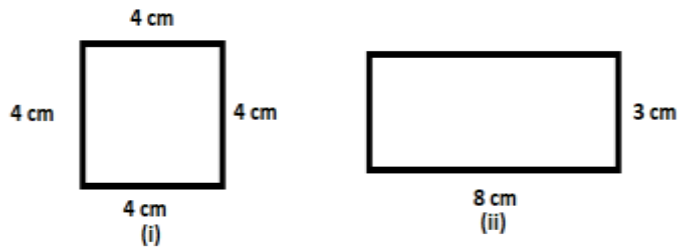
- (a) Both **Assertion** and **Reason** are true, but **Reason** is the correct explanation of **Assertion**.
- (b) Both **Assertion** and **Reason** are true, but **Reason** is not the correct explanation of **Assertion**.
- (c) **Assertion** is true but **Reason** is false.
- (d) **Assertion** is false but **Reason** is true.

SECTION – B

[This section comprises of very short answer type questions (VSA) of 2 marks each]

6. Find the value of (i) $3.257 + 5.23$ (ii) $27.23 - 12.287$

7. Which of the following figures has greater perimeter?



OR

Find the perimeter of an isosceles triangle with measure of equal sides 7 cm each and unequal side 5 cm.

SECTION – C

[This section comprises of short answer type questions (SA) of 3 marks each]

8. Atul purchased a book of ₹ 114.75 and a pen of ₹ 45.25.

(i) What is the total amount that he spent for purchasing the items?

(ii) Which item costs more and by how much?

9. A rectangular park is 30 m long and 20 m broad. A steel wire fence is put up all around it. Find the cost of fencing the park at the rate of ₹ 15 per meter.

OR

A square field has a measure of each side 25 m. Find the cost of leveling the field at ₹ 2 per square meter.

SECTION – D

[This section comprises of long answer type question (LA) of 5 marks]

10. Piyush is carrying 9.725 kg of vegetables and Mrunal is carrying 8.50 kg of vegetables and Sasidhar is carrying 5.250 kg of vegetables.

(i) What is the total weight of vegetables they all purchased together?

(ii) Among Piyush and Mrunal who is carrying more weight and by how much?

OR

Ravi travelled 15 km 278 m by bus, 7 km 7 m by car and 1 km 400 m on foot in order to reach her school.

(i) How far is his school from his residence?

(ii) What is the difference between the distance that he travelled by car and by bus?

*****The End*****



Q. NO.	VALUE POINTS	MARKS	
1.	(a) 5.005 kg	1	
2.	(b) 35 cm	1	
3.	(a) 1.545	1	
4.	(d) 3 m	1	
5.	(a)	1	
6.	(i) $3.257 + 5.23 = 8.487$ (ii) $27.23 - 12.287 = 14.943$	1 + 1	2
7.	(i) Square: Perimeter = $4 \times s = 16$ cm Rectangle has greater perimeter. OR Isosceles triangle sides = 7cm, 7cm, 5cm Perimeter of a triangle = Sum of lengths of three sides $= 7 + 7 + 5 = 19$ cm	(ii) Rectangle: Perimeter = $2(l + b) = 22$ cm $\frac{1}{2}$ $1 + \frac{1}{2}$	2
8.	Cost of a book = ₹ 114.75 Cost of a pen = ₹ 45.25 (i) Total money Atul had spent = ₹ 160 (ii) Cost of the book is more by = $114.75 - 45.25$ $= ₹ 69.50$	$\frac{1}{2}$ 1 $\frac{1}{2} + 1$	3
9.	Rectangular park: $l = 30$ m; $b = 20$ m Perimeter = $2(l + b)$ $= 2(30 + 20)$ $= 2(50) = 100$ m Cost of fencing = ₹ 15 per meter Total cost of fencing = 15×100 $= ₹ 1500$ OR Square field: $S = 25$ m Area = $s \times s$ $= 25 \times 25 = 625$ sq.m Cost of leveling = ₹ 2 per sq.m Total cost of leveling = 2×625 $= ₹ 1250$	$\frac{1}{2}$ $\frac{1}{2}$ 1 1 $\frac{1}{2}$ $\frac{1}{2}$ 1 1	3

<p>10.</p>	<p>Weight of vegetables Piyush carrying = 9.725 kg Weight of vegetables Mrunal carrying = 8.50 kg Weight of vegetables Sasidhar carrying =5.250 kg (i) Total weight of vegetables = 9.725 + 8.50 + 5.250 = 23.475 kg (ii) Piyush is carrying more weight by = 9.725 - 8.50 = 1.225 kg</p> <p style="text-align: center;">OR</p> <p>Distance travelled by bus = 15 km 278 m =15.278 km Distance travelled by car = 7 km 7 m = 7.007 km Distance travelled on foot = 1 km 400 m = 1.400 km (i) Total distance between school and residence = 15.278 + 7.007 + 1.400 =23. 685 km (ii) Difference between the distances that he travelled by car and by bus = 15.278 – 7.007 = 8.271 km</p>	<p>1</p> <p>2</p> <p>2</p> <p>1</p> <p>2</p> <p>2</p>	<p>5</p>
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CLASS: VI
DATE: 15-01-2024

MAX. MARKS: 20
TIME: 40 MINUTES

General Instructions:

1. This question paper contains four sections - A, B, C and D. Each section is compulsory.
However, there are internal choices in some questions.
2. Section A has 4 MCQ's and 1 Assertion-Reason based question of 1 mark each.
3. Section B has 2 Very Short Answer (VSA)-type questions of 2 marks each.
4. Section C has 2 Short Answer (SA)-type questions of 3 marks each.
5. Section D has 1 Long Answer (LA)-type question of 5 marks.

SECTION – A

[This section comprises of multiple-choice questions (MCQ) of 1 mark each]

1. The length of a rectangle whose area is 18 sq.m and breadth 3 m is:

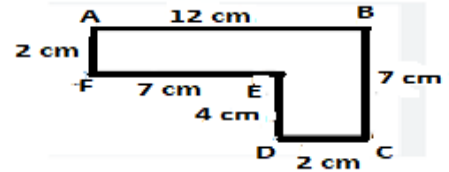
- (a) 9 cm (b) 12 m (c) 48 m (d) 6 m

2. Convert 30 Rupees 50 Paise into Rupees

- (a) Rs 3.50 (b) Rs 30.50 (c) Rs 3.500 (d) Rs 3.05

3. The perimeter of the given figure is

- (a) 2 cm (b) 34 cm
(c) 30 cm (d) 10cm



4. The value of $2.5 + 3.05 - 4.005$ is equal to

- (a) 1.545 (b) 1.455 (c) 1.554 (d) 0.545

5. A statement of assertion is followed by a statement of reason. Choose the correct option.

Assertion (A): The perimeter of a regular pentagon with side 11cm is 55cm.

Reason (R): A polygon with 4 sides is called Pentagon

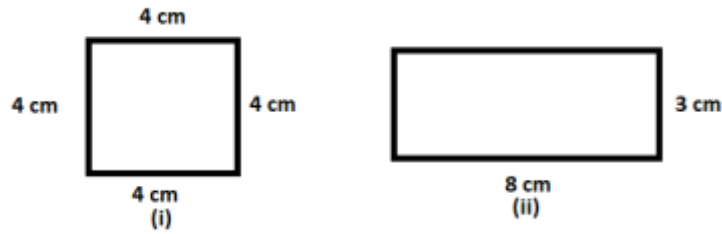
- (a) Both **Assertion** and **Reason** are true, but **Reason** is the correct explanation of **Assertion**.
(b) Both **Assertion** and **Reason** are true, but **Reason** is not the correct explanation of **Assertion**.
(c) **Assertion** is true but **Reason** is false.
(d) **Assertion** is false but **Reason** is true.

SECTION – B

[This section comprises of very short answer type questions (VSA) of 2 marks each]

6. Find the value of (i) $13.25 + 5.753$ (ii) $27.23 - 12.287$

7. Which of the following figures has greater area?



OR

Find the perimeter of an isosceles triangle with measure of equal sides 8 cm each and unequal side 7 cm?

SECTION – C

[This section comprises of short answer type questions (SA) of 3 marks each]

8. Anil purchased a book of ₹ 120.75 and a pen of ₹ 45.25.

(i) What is the total amount that he spent for purchasing the items?

(ii) Which item costs less and by how much?

9. A square field has a measure of each side 25 m. Find the cost of leveling the field at ₹ 3 per square meter.

OR

A rectangular park is 22 m long and 10 m broad. A steel wire fence is put up all around it. Find the cost of fencing the park at the rate of ₹ 15 per meter.

SECTION – D

[This section comprises of long answer type question (LA) of 5 marks]

10. Piyush is carrying 9.725 kg of vegetables and Mrunal is carrying 8.50 kg of vegetables and Sasidhar is carrying 5.250 kg of vegetables.

(i) What is the total weight of vegetables they all purchased together?

(ii) Among Sasidhar and Mrunal who is carrying more weight and by how much?

OR

Ravi travelled 15 km 278 m by bus, 7 km 7 m by car and 1 km 400 m on foot in order to reach her school.

(i) How far is her school from her residence?

(ii) What is the difference between the distances that he travelled by car and on foot?

*****The End*****



Q. NO.	VALUE POINTS	MARKS	
1.	(d) 6 m	1	
2.	(b) Rs 30.50	1	
3.	(b) 34 cm	1	
4.	(a) 1.545	1	
5.	(c)	1	
6.	(i) $13.25 + 5.753 = 19.003$ (ii) $27.23 - 12.287 = 14.943$	1 + 1	2
7.	(i) Square: Area = $s \times s = 16$ sq.cm Rectangle has greater perimeter.	1 1	2
	(ii) Rectangle: Area = $l \times b = 24$ sq. cm OR Isosceles triangle sides = 8cm, 8cm, 7cm Perimeter of a triangle = Sum of lengths of three sides $= 8 + 8 + 7 = 23$ cm	$\frac{1}{2}$ 1 + $\frac{1}{2}$	
8.	Cost of a book = ₹ 120.75 Cost of a pen = ₹ 45.25 (i) Total money Atul had spent = ₹ 166	$\frac{1}{2}$ 1	3
	(ii) Cost of the pen is less by = $120.75 - 45.25$ $= ₹ 75.50$	$\frac{1}{2} + 1$	
9.	Square field: $S = 25$ m Area = $s \times s$ $= 25 \times 25 = 625$ sq.m Cost of leveling = ₹ 3 per sq.m Total cost of leveling = 2×625 $= ₹ 1875$	$\frac{1}{2}$ $\frac{1}{2}$ 1 1	3
	OR Rectangular park: $l = 22$ m; $b = 10$ m Perimeter = $2(l + b)$ $= 2(22 + 10)$ $= 2(32) = 64$ m Cost of fencing = ₹ 15 per meter Total cost of fencing = 15×64 $= ₹ 960$	$\frac{1}{2}$ $\frac{1}{2}$ 1 1	

10.	Weight of vegetables Piyush carrying = 9.725 kg	1	5
	Weight of vegetables Mrunal carrying = 8.50 kg		
	Weight of vegetables Sasidhar carrying = 5.250 kg		
	(i) Total weight of vegetables = $9.725 + 8.50 + 5.250$ = 23.475 kg	2	
	(ii) Mrunal is carrying more weight by = $8.50 - 5.250$ = 3.25 kg	2	
	OR		
Distance travelled by bus = 15 km 278 m = 15.278 km	1	5	
Distance travelled by car = 7 km 7 m = 7.007 km			
Distance travelled on foot = 1 km 400 m = 1.400 km			
(i) Total distance between school and residence = $15.278 + 7.007 + 1.400$ = 23.685 km	2		
(ii) Difference between the distances that he travelled by car and on foot = $7.007 - 1.400$ = 5.607 km	2		



INDIAN SCHOOL SOHAR
PERIODIC TEST II (2023-24)

MATHEMATICS

CLASS VI

BLUEPRINT

SI No.	Chapter	1 Mark	2 Marks	3 Marks	5 Marks	Total
1	Decimals	2	1	1	1	12
2	Mensuration	3	1	1		8