

INDIAN SCHOOL AL WADI AL KABIR

Class VII, Mathematics

HOLIDAY HOME WORK (2023-24)

Multiple Choice questions

Q.1. In what time will ₹1200 amount to ₹1344 at 6% per annum?

- | | | | | | | | |
|---|----------|---|---------|---|---------|---|----------|
| A | 2½ years | B | 3 years | C | 2 years | D | 3½ years |
|---|----------|---|---------|---|---------|---|----------|

Q.2. The perimeter of a rectangle whose one side measures 20m and the diagonal is 29 m is _____.

- | | | | | | | | |
|---|------|---|------|---|-------|---|--------|
| A | 98 m | B | 82 m | C | 80 cm | D | 100 cm |
|---|------|---|------|---|-------|---|--------|

Q.3. If 60% of the students in a school are boys and the number of girls is 972. The number of boys in the school is _____.

- | | | | | | | | |
|---|------|---|------|---|------|---|------|
| A | 1258 | B | 1458 | C | 1324 | D | 1624 |
|---|------|---|------|---|------|---|------|

Q.4. $x\%$ of $\frac{25}{2}$ is 150. x is equal to _____

- | | | | | | | | |
|---|------|---|------|---|------|---|------|
| A | 1000 | B | 1200 | C | 1400 | D | 1500 |
|---|------|---|------|---|------|---|------|

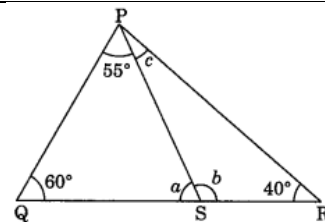
Q.5. A man bought a second-hand scooter for ₹1400 and sold it for ₹1680. His gain percent is _____

- | | | | | | | | |
|---|-----|---|-----|---|----|---|-----|
| A | 20% | B | 10% | C | 8% | D | 16% |
|---|-----|---|-----|---|----|---|-----|

Descriptive type questions

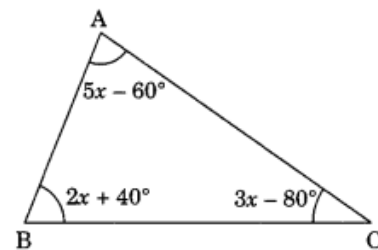
Q6.

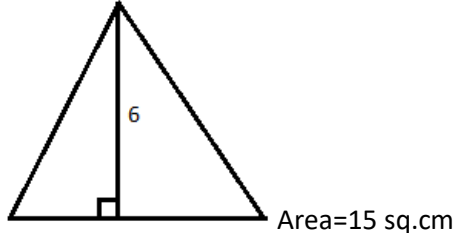
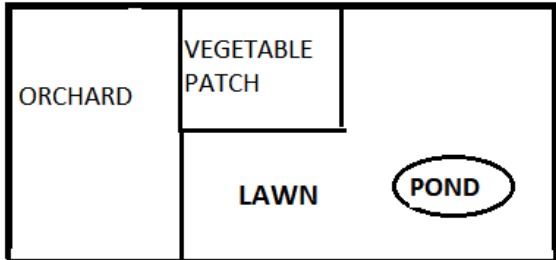
Find the value of a, b and c.



Q7.

In the given figure, find the value of x .



Q8.	James sold his house for ₹ 8,00,000. If he gets 25% profit, find the cost price of the house.
Q9.	In a state, the number of villages electrified in the first year was 13600. It rose to 17000 in the second year. Find the percentage increase in the number of villages electrified in the second year.
Q10	A wholesaler sold some damaged products for Rs. 7200 at a loss of 10%. What is the cost price of the product?
Q11.	How many square tiles of side 9 cm will be needed to fit in a square floor of a room of side 720 cm. Find the cost of tiling at the rate of ₹75 per tile.
Q12	A computer shop is closing down sale. They advertise a computer at ₹16,000. If the wholesale or the cost price of the computer was ₹20,000, find the loss and express it as a percentage of the cost price.
Q13.	Ajay deposited ₹35000 in a finance company for 4 years and received ₹45,500 in total. What was the rate of Simple interest per annum?
Q14	50% of 1500 students in a school are girls. $\frac{2}{5}$ of the girls and 30% of the boys wear spectacles. How many students in the school wear spectacles?
Q15.	<p>The area of a triangle is 15 sq.cm. If the height of the triangle is 6 cm, find its base.</p> 
Q16.	A triangular field is of base 24 m and height 15 m. Find the cost of laying grass inside the field at ₹15 per square metre.
Q17.	A floral design on the floor of a building consists of 30 tiles. Each tile is in the shape of a parallelogram of altitude 25 cm and base 50 cm. Find the area of the design. Also find the cost of polishing the design at the rate of ₹ 5.50 per cm^2 .
Q18.	The marks obtained by Rajeev in different subjects is given below: Science: 325 out of 500, English: 240 out of 400, Geography: 84 out of 150 and Mathematics: 132 out of 200. In which subject did Rajeev obtain the highest percentage?
Q19	<p style="text-align: center;">CASE STUDY</p> <p>Alice has a garden consisting of Orchard, Vegetable patch, Lawn, and a pond. The map of the garden is given in the adjoining figure. The area of the garden is 500 sq. m, answer the following questions:</p> <p>a) If the length of the garden is 25m, find the breadth of the garden.</p> 

	<p>b) The pond inside the garden has an area of 50 sq. m. What percentage of the garden is taken up by the pond?</p> <p>c) The lawn is 60% of the garden. Find the area of the lawn.</p>	
20.	<p>Solve the following questions and locate your answer in the number grid given below. Colour the square boxes after locating your 3-digit answer in the number grid. Your answer can be vertical, horizontal or diagonal. Colour the boxes as per instruction: Horizontal-Red; Vertical-Green; Diagonal: Blue</p> <p>The first question has been done for you</p> <p>i) 25% of 2464= <u>616</u></p> <p>ii) Amit made a loss of 10% by selling an article for ₹810. Find the cost price of the article. ____</p> <p>iii) 12.5% Of 1520= _____</p> <p>iv) 20% of a certain number is 192. Find the number. _____</p> <p>v) Simon bought a table fan for ₹1880 and sold it for ₹2015. Find his profit. _____</p>	

1	3	6	9
0	1	1	6
6	9	0	0
0	1	3	5

ANSWERS

Q1.	C	Q2.	B	Q3.	B	Q4.	B	Q5.	A
Q6.	a=65°, b=115° c=25°	Q7.	28°	Q8.	₹6,40,000	Q9.	25%	Q10.	₹8000
Q11.	₹4,80,000	Q12.	20%	Q13.	7.5%	Q14.	525	Q15.	5 cm
Q16.	180 sq cm ₹2700	Q17.	37500cm ² ₹206250	Q18.	Mathematics (66%)	Q19.	a)20 m b)10% c)300sq.m	Q20.	i)616 ii)900 iii)190 iv)960 v)135