


INDIAN SCHOOL AL WADI AL KABIR

Class VI, Mathematics

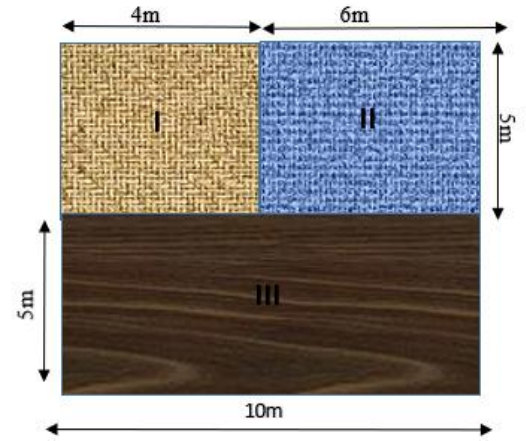
WORKSHEET-Ratio & Proportion (OTQ)

Multiple Choice Questions

Q1.	Which is the simplest form of the ratio of 35:42?							
	A	5:6	B	6:1	C	7:6	D	6:5
Q2.	A packet of salt weighs 25 kg and a packet of sugar weighs 35 kg. Find the ratio of the weight of salt to the weight of sugar.							
	A	1:7	B	5:2	C	5:7	D	7:5
Q3.	The ratio of ₹6 to 90 paise is							
	A	13:1	B	10:3	C	20:10	D	20:3
Q4.	Which ratio is greater 4: 5 or 5: 6?							
	A	4:5	B	5:6	C	Can't compare	D	Both are equal
Q5.	Which of the following statements is true?							
	A	2:5 = 5:2	B	10:15 = 2:3	C	8:18 = 36:16	D	14:12 = 21:30
Q6.	Find the missing number in the box in the following proportion: ___ : 5 :: 12 : 60							
	A	0	B	2	C	1	D	5
Q7.	Neelam's monthly income is ₹28000. Her monthly savings amount to ₹7000. The ratio of her savings to her expenditures is							
	A	1:3	B	1:4	C	2:4	D	3:1
Q8.	The rectangular playground area of the school is 60m long and 48m wide. Find the ratio of its length to its perimeter.							
	A	5:6	B	5:18	C	3:1	D	6:4
Q9.	If 3 : 2 is equivalent, to x : 4, then x is							
	A	4	B	3	C	4	D	6
Q10.	In 4 : 7 :: 16 : 28, 7 and 16 are called							
	A	Middle term	B	Extreme term	C	Don't know	D	Positive term

Q11.	If the price of 5 pens is ₹175, what is the price of 3 such pens?							
	A	₹305	B	₹108	C	₹105	D	₹315
Q12.	If ₹700 is divided between A and B in the ratio of 3:4. What is B's share?							
	A	₹300	B	₹350	C	₹400	D	₹450
Q13.	In a school library, the ratio of Mathematics books to Science books is the same as the ratio of Science books to Hindi books. If there are 450 books in Science and 300 books in Hindi, find the number of books in Mathematics.							
	A	675	B	650	C	550	D	500
Q14.	A boat covers a distance of 15km in 6 hours. What distance will it cover in 24 hours?							
	A	65km	B	40km	C	60km	D	100km
Q15.	If the cost of 10 meters of cloth is ₹y, then the cost of 1 meter of cloth is:							
	A	₹(10y)	B	₹(10 - y)	C	₹(10 + y)	D	₹($\frac{y}{10}$)
<p>Case study:</p> <p>Sam organised a party. He decorated his house and arranged food for guests. He spent Rs 1600 on decoration and Rs 8000 on food.</p>								
								
Q16.	What is the ratio of the money that Sam spent on decoration to food?							
Q17.	Sam placed an order for 21 burgers for the party. Out of the 15 guests, 6 had 2 burgers each, 3 had 1 burger each, and the remaining had no burgers. What the ratio is between the number of burgers left and the total number of burgers ordered?							
Q18.	Sam used paper ribbons to decorate the walls. He made 4 patterns using groups of ribbons. Each group had 2 blue and 3 yellow ribbons. What is the ratio of the number of blue ribbons to the total number of ribbons used for decoration?							
Q19.	The cost of 6 burgers is ₹924. What will be the cost of 21 burgers?							
Q20.	The total weight of 9 identical return gift boxes is 4698g. What is the weight of 15 such boxes?							

Source base questions: The layout of a flat is given below with different measurements.



Q21.	In the given figure, what is the ratio of the areas of shaded portion I to shaded portion III?							
A	120:50	B	2:5	C	5:2	D	10:10	
Q22.	What is the ratio of the areas of the shaded portion I and the total area?							
A	7:2	B	3:2	C	2:3	D	1:5	
Q23.	What is the ratio of the perimeter of the shaded portions I and II?							
A	18:30	B	9:11	C	5:10	D	4:5	
Q24.	What is the ratio of the perimeter of the shaded portions I and the total perimeter?							
A	18:13	B	9:20	C	8:40	D	3:8	
Q25.	If the length of portion II is increased by 2m and the breadth is increased by 1m. What is the ratio of the length to the breadth of the shaded portions II?							
A	3:4	B	6:7	C	4:3	D	15:16	

ANSWERS

1.	A	2.	C	3.	D	4.	B
5.	B	6.	C	7.	A	8.	B
9.	D	10.	A	11.	C	12.	C
13.	A	14.	C	15.	D	16.	1:5
17.	2:7	18.	2:5	19.	₹3234	20.	7830g
21.	B	22.	D	23.	B	24.	B
25.	C						