

INDIAN SCHOOL AL WADI AL KABIR

<mark>Class VI</mark>, Mathematics

WORKSHEET-Ratio & Proportion (OTQ)

Multiple Choice Questions										
Which is the simplest form of the ratio of 35:42?										
A	5:6	В	6:1	С	7:6	D	6:5			
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	В	5:2	С	5:7	D	7:5			
The ratio of ₹6 to 90 paisa is										
A	13:1	В	10:3	С	20:10	D	20:3			
Which ratio is greater 4: 5 or 5: 6?										
A	4:5	В	5:6	С	Can't compare	D	Both are equal			
Which of the following statements is true?										
A	2:5 = 5:2	В	10:15 = 2:3	С	8:18 = 36:16	D	14:12 = 21:30			
Find the missing number in the box in the following proportion:: 5 :: 12 : 60										
A	0	В	2	С	1	D	5			
Neelam's monthly income is ₹28000. Her monthly savings amount to ₹7000. The ratio of her savings to her expenditures is										
A	1:3	В	1:4	С	2:4	D	3:1			
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	В	5:18	С	3:1	D	6:4			
If 3 : 2 is equivalent, to x : 4, then x is										
A	4	В	3	С	4	D	6			
In 4	: 7 : : 16 : 28,	7 and 16	5 are called	1		1				
A	Middle term	В	Extreme term	С	Don't know	D	Positive term			
	Whie A A pa weic A The A Whie A Whie A Find A Nee savii A Nee savii A In 4 A In 4	Which is the simpleA5:6A packet of salt we weight of salt to theA1:7The ratio of $₹6$ to 9A13:1Which ratio is greatA4:5Which of the followA2:5 = 5:2Find the missing nuA0Neelam's monthly in savings to her expectA1:3The rectangular platits length to its periodA5:6If 3 : 2 is equivalentA4In 4 : 7 : : 16 : 28,AMiddle term	Which is the simplest form ofA5:6BA packet of salt weighs 25 k weight of salt to the weightBA1:7BThe ratio of ₹6 to 90 paisa is A 13:1BWhich ratio is greater 4: 5 of A A4:5BWhich of the following state A 2:5 = 5:2BFind the missing number in A OBNeelam's monthly income is savings to her expendituresBA1:3BThe rectangular playground its length to its perimeter.BA5:6BIf 3 : 2 is equivalent, to x : 4BA4BIn 4 : 7 : : 16 : 28, 7 and 16AMiddle termB	Wultiple ChoiceWultiple ChoiceA5:6B6:1A5:6B6:1A $25:6$ B6:1A1:7B5:2The ratio of ₹6 to 90 paisa isB10:3A13:1B10:3Which ratio is greater 4: 5 or 5: 6?B5:6A4:5B5:6A4:5B10:15 = 2:3Find the missing number in the box in the follow statements is true?BA0B2Neelam's monthly income is ₹28000. Her monts savings to her expenditures is₹28000. Her monts aA1:3B1:4The rectangular player und area of the school its length to its perimeter.B5:18A4B3If $3: 2$ is equivalent, to $x: 4$, then x isB3A4B3In $4: 7: : 16: 28, 7$ and 16 are calledBAMiddle termBExtreme term	Multiple Choice QuestWhich is the simplest form of the ratio of $35:42$?A5:6B6:1CA5:6B6:1CADacket of salt weight of salt to the weight of sugar.ADacket of salt to the weight of sugar.A1:7B5:2CThe ratio of ₹6 to 90 paisa isA13:1B10:3CA13:1B10:3CWhich ratio is greater 4: 5 or 5: 6?A4:5B5:6CA4:5B10:15 = 2:3CA2:5 = 5:2B10:15 = 2:3CFind the missing number in the box in the followingB2CNeelar's monthly income is ₹28000. Her monthly is savings to her expenditures is1:4CA1:3B1:4CThe rectangular playground area of the school its length to its perimeter.B5:18CA5:6B5:18CIf $3: 2$ is equivalent, to $x: 4$, then x isAACA4B3CIn $4: 7:: 16: 28, 7$ and 16 are calledAMiddle termBExtreme term	Wultiple Choice QuestionsWultiple Choice QuestionsWhich is the simplest form of the ratio of $35:42$?C7:6A5:6B6:1C7:6A packet of salt weights 25 kg and a packet of sugar.C5:7A1:7B5:2C5:7A1:7B5:2C5:7M13:1B10:3C20:10Which ratio is greater 4: 5 or 5: 6?CCan't compareM4:5B5:6CCan't compareWhich of the following statements is true?A2:5 = 5:2B10:15 = 2:3C8:18 = 36:16Find the missing number in the box in the following roportion: ::::::A0B2C1::::::A0B2C3:18 = 36:16:::<	Wultiple Choice QuestionsWultiple Choice QuestionsWhich is the simplest form of the ratio of $35:42$?A5:6B6:1C7:6DA packet of salt weighs 25 kg and a packet of sugar.A1:7B5:2C5:7DA1:7B5:2C5:7DThe ratio of ₹6 to 90 paisa isC20:10DM13:1B10:3C20:10DWhich ratio is greater 4: 5 or 5: 6?B5:6CCan't compareDWhich of the following statements is true?A2:5 = 5:2B10:15 = 2:3C8:18 = 36:16DFind the missing number in the box in the following statements is true?A0B2C1DNeelam's monthly income is ₹28000. Her monthly savings amount to ₹7000 savings to her expenditures isB1:4C2:4DA1:3B1:4C2:4DDInt erectangular playground area of the school is 60m long and 48m wide. FFIts length to its perimeter.A3:1DIf $3: 2$ is equivalent, to $x: 4$, then x isB3:1C4DItA4B3C4DIf $3: 2$ is equivalent, to $x: 4$, then x isAAB3CAA4B3C4DItIf $3: 2$ is equivalent, to $x: 4$, then x isC			

Q11.	If the price of 5 pens is ₹175, what is the price of 3 such pens?								
	A	₹305	В	₹108	С	₹105	D	₹315	
Q12.	If ₹700 is divided between A and B in the ratio of 3:4. What is B's share?								
	Α	₹300	В	₹350	С	₹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	В	650	С	550	D	500	
Q14.	A boat covers a distance of 15km in 6 hours. What distance will it cover in 24 hours?								
	A	65km	В	40km	С	60km	D	100km	
Q15.	If the cost of 10 meters of cloth is ₹y, then the cost of 1 meter of cloth is:								
	A	₹ (10 <i>y</i>)	В	₹(10 – <i>y</i>)	С	₹(10 + <i>y</i>)	D	$\mathbf{E}\left(\frac{y}{10}\right)$	
arranged food for guests. He spent Rs 1600 on decoration and Rs 8000 on food.									
Q16.	Wha	at is the ratio of th	e mor	ney that Sam spen	t on d	ecoration 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	В	2:5	С	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	В	3:2	С	2:3	D	1:5	
Q23.	What is the ratio of the perimeter of the shaded portions I and II?								
	A	18:30	В	9:11	С	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	В	9:20	С	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	В	6:7	С	4:3	D	15:16	

ANSWERS

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