	Ratio		
A. Choose the correct	answer:		
1. The ratio of 2 kg to	o 500 g is		
a) 1:4	b) 4:1		
c) 2:1	d) 1:2		
2. Which of the follo	wing pairs are in the ra	atio 3:5?	
a) 6 and 10	b) 9 and 12		
c) 15 and 20	d) 10 and 12		
3. The simplified for	n of the ratio 18:24 is		
a) 2:3	b) 3:4		
c) 4:3	d) 3:2		
4. If the ratio of boy the number of girl	s to girls in a class is 5 s is	:3 and there are 4	0 students in total,
a) 15	b) 20		
c) 25	d) 30		
5. A recipe uses suga much sugar is nee	r and flour in the ration ded?	> 2:5. If 10 cups of	flour are used, how
a) 2 cups	b) 4 cups		
c) 5 cups	d) 6 cups		
B. Write the Missing 1	erms to Complete th	e Sentences:	
1. The ratio of 250 m	to 2 km is	_·	
2. The ratio of 3:9 ca	n be simplified to	·	
3. A ratio is a compar	rison of two	quantities.	
4. If a:b = 2:5, then b	:a =		
5. The ratio of 45 mir	nutes to 1 hour is	·	

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C. Mark each sentence with a True (✓) or False (X):

1. Ratio has no units.	
2. The ratio 0:5 is undefined.	
3. The ratio of 200 ml to 2 litres is 1:10.	
4. Ratios are always expressed in lowest terms.	
5. 10:25 is equal to 2:5.	

D. Figure out the answers to these questions:

- 1. Find the ratio of 750 ml to 1.5 litres.
- 2. Express the ratio 35:50 in its simplest form.
- 3. If a:b = 4:7 and b:c = 2:3, find the ratio a:c.
- 4. The ages of A and B are in the ratio 5:6. If A is 25 years old, find the age of B.
- 5. If Rs. 600 is divided between two people in the ratio 3:2, how much does each get.

E. Challenge yourself with these questions:

- 1. Divide Rs. 1000 between two children in the ratio 3:2.
- 2. Convert the ratio 4:5 to percentage form.
- 3. A map uses the scale 1 cm: 5 km. What is the actual distance represented by 8 cm.
- 4. A box contains red and blue balls in the ratio 7:3. If there are 50 balls in total, how many are blue.
- 5. Compare the quantities $\frac{3}{4}$ and $\frac{2}{5}$ using ratio.