ANSWER THE FOLLOWING QUESTIONS

S.NO	QUESTIONS
1	Express the ratios in its simplest form. A) 48 : 80 B) $\frac{1}{8}$: $\frac{1}{12}$
2	Find the ratio of A) 36 months to 5 years. B) What is the ratio of 2.5 litres to 250 ml ?
3	a)Express $1\frac{3}{5}$ as a percent. b) What percentage of 75 is 15 ?
4	Express A) $12\frac{1}{2}$ % B) 0.25% as fractions in its simplest form.
5	Find $33\frac{1}{3}$ % of 300 litres.
6	Ashish obtained 60 marks out of 80 in Mathematics. Find the percentage of marks obtained by Ashish in Mathematics.
7	If 40% of the workers in a factory are female and the number of male workers is 720, then find the total number of workers in the factory.
8	The price of tea is increased by 15%. If the original price was ₹200 per kg, then find the new price.
9	Out of an income of ₹5600, Arati spends ₹4800 . What percent of her income does she save?
10	During a Diwali sale, the price of a refrigerator is reduced from ₹25000 to ₹22800. Find the decrease percent.
11	40% of the population of a town is men and 35% is women. If the number of children is 20,000 , find the number of men.
12	A machine costs ₹400. It is sold at a profit of 40%. What is the selling price?
13	A refrigerator is purchased for ₹22500 and sold it at a loss of 20% . What is its selling price?
14	A shopkeeper sold an article for ₹375, thereby making a profit of 25% . What did the article cost him?
14	A machine is sold for ₹ 11700 at a loss of 10% . What is the cost price?
15	A car was purchased for ₹1, 85,000 and after spending ₹15000 on its repairs, it was sold for ₹1,90,000 .Find the profit or loss percent
16	Find the amount to be paid at the end of 4 years on a sum of ₹1200 at 10% p.a.
17	Suresh borrowed ₹6000 from his friend and returned ₹7500 to him after two years. Calculate the rate of interest.
18	Find the amount when the interest on ₹15000 is ₹1200.
19	Rakesh invested ₹2400 in a bank. If it amounts to ₹2760 after a certain time, calculate the interest.
20	In what time will ₹450 amount to ₹540 at 5% p.a simple interest?

PRACTICE WORK

1	Find the ratio of 250 g to 1 kg 50g
2	Edwin borrows a certain sum of money at 5%p.a. If he pays ₹2000 as a simple interest at the end of the first year, find the sum he borrowed.
3	In a sweet dish the ratio of milk powder to sugar is 3:2 . What is the quantity of sugar added in 2.5kg sweets?
4	Find the percentage of each part of the ratio 7:3
5	If 20% of a class of 60 did not go for the class picnic, how many students went for the picnic?
6	₹6000 is borrowed at 8% interest p.a. Find the simple interest and amount to be paid after 3 years.
7	Divya borrows a sum of ₹20,000 at the rate of 5% p.a. After how many years does she pay the money back if she pays an interest of ₹2500 ?
8	In a public examination , 91% students passed and 8820 students failed. How many students appeared for the examination? How many students passed the examination?
9	A teacher earns ₹22,800 per month. If he gets an increment of 5% this year, what would his salary be after the increment?
10	What percentage of 2 hours is 45 minutes?
11	Nikhil purchased a laptop for ₹24,000 and spent ₹1000 on repairing it. If he sold it for ₹28,000, calculate his gain or loss percent.
12	A vendor buys plastic items for ₹540 and sells them at a loss of 9% . Find the selling price.
13	A shopkeeper gains 10 % by selling an article for ₹11,000, find its buying price .

INDIAN SCHOOL MUSCAT – MIDDLE SECTION – DEPARTMENT OF MATHEMATICS	
CLASS 7 – MATHEMATICS - PORTION FOR SECOND PERIODIC TEST – (2018 – 19)	
S.NO	TOPIC
1	TRIANGLE AND ITS PROPERTIES
2	PRACTICAL GEOMETRY