

TERM 2
Model Question Paper 1- T2
6th Standard

Maths

Reg.No. :

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I. Answer all the questions.

II. Use blue pen only.

Time : 01:00:00 Hrs

Total Marks : 35

Part-A

6 x 1 = 6

- 1) The fractional form of 3 : 4 is -----
(a) $\frac{4}{3}$ (b) $\frac{3}{4}$ (c) $\frac{1}{3}$ (d) 3.4
- 2) The equivalent ratio of 7 : 8 is -----
(a) 14 : 16 (b) 8 : 9 (c) 6 : 7 (d) 8 : 7
- 3) Simplified form of 16:32 -----
(a) $\frac{16}{32}$ (b) $\frac{32}{16}$ (c) 1:2 (d) 2:1
- 4) If 2 : 3, 4 : _ are equivalent ratios, then the missing term is
(a) 2 (b) 3 (c) 4 (d) 6
- 5) The ratio of 1 cm to 2mm is
(a) 1:20 (b) 20:1 (c) 10:2 (d) 2:10
- 6) Which of the following pair of ratios form a proportion?
(a) 3:4, 6:8 (b) 3:4, 8:6 (c) 4:3, 6:8 (d) 4:8, 6:3

Part-B

5 x 1 = 5

- 7) 1 hour = _____ minutes
- 8) 24 hours = _____ day
- 9) 1 minute = _____ seconds
- 10) 7 hours and 15 minutes in the morning is denoted as _____
- 11) 3 hours and 45 minutes in the evening is denoted as _____

Part-C

2 x 1 = 2

- 12) Say whether the following are true or false
The ratios of 4 pens to 6 pens is 4 : 6
(a) True (b) False
- 13) Say whether the following are true or false
In a class of 50 students, the ratio between 30 girls and 20 boys is 20 : 30
(a) True (b) False

Part-D

5 x 2 = 10

- 14) The following table gives us information about Ishwarya and krithika.

S.No	Information	Ishwarya	krithika
1	Age	17 years	15 years
2	Height	1 m 36 cm	123 cm
3	Weight	31 kg	29 kg
4	Studying Time	4 hours	180 min
5	Speed of cycling	10 km/hr	15 km/hr
6	Palying Time	2 hours	1 hour

S. No	Quantity	Ratio form	Fraction form	Reduced form
1	Ratio of 15 men and 10 women	15 : 10	$\frac{15}{10}$	3 : 2
2	Ratio of 500 gm and 1 kg	500 : 1000	$\frac{500}{1000}$	1 : 2
3	Ratio of 1 m 25 cm and 2m	125 : 200	$\frac{125}{200}$	5 : 8

- 16) A student has 11 note books and 7 textbooks. Find the ratio of the notebooks to that of the text books.
- 17) The cost of a pen is Rs. 8 and the cost of a pencil is Rs. 2.50
Find (1) The ratio of the cost of a pen to that of a pencil
(2) The ratio of the cost of a pencil to that of a pen.
- 18) In a Village of 10,000 people, 4,000 are Government Employees and the remaining are self-employed. Find the ratio of
i) Government employees to people of the village.
ii) Self employed to people of the village.
iii) Government employees to self-employed.

Part-E

4 x 3 = 12

- 19) Simplify the following ratios:

20 : 45

20) Simplify the following ratios:

100 : 180

21) Simplify the following ratios:

144 : 216

22) Write 4 equivalent ratios for the following :

(i) 3 : 5

(ii) 3 : 7

(iii) 5 : 9

