



SACRED HEART SCHOOL

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Website: <http://www.sacredheartkoderma.org/>

Maths

Class – VII (29-April-2020)

26

Mathematics for Class 7

$$\begin{aligned}\text{Monthly expenditure} &= \frac{4}{5} \text{ of ₹ } 30000 \\ &= ₹ \left(30000 \times \frac{4}{5} \right) = ₹ \left(\frac{30000}{1} \times \frac{4}{5} \right) \\ &= ₹ \left(\frac{30000 \times 4}{1 \times 5} \right) = ₹ 24000.\end{aligned}$$

$$\text{Monthly savings} = ₹ (30000 - 24000) = ₹ 6000.$$

EXERCISE 2B

1. Find the product:

(i) $\frac{3}{5} \times \frac{7}{11}$

(iv) $\frac{2}{5} \times 15$

(vii) $3\frac{1}{8} \times 16$

(x) $9\frac{1}{2} \times 1\frac{9}{19}$

(ii) $\frac{5}{8} \times \frac{4}{7}$

(v) $\frac{8}{15} \times 20$

(viii) $2\frac{4}{15} \times 12$

(xi) $4\frac{1}{8} \times 2\frac{10}{11}$

(iii) $\frac{4}{9} \times \frac{15}{16}$

(vi) $\frac{5}{8} \times 1000$

(ix) $3\frac{6}{7} \times 4\frac{2}{3}$

(xii) $5\frac{5}{6} \times 1\frac{5}{7}$

2. Simplify:

(i) $\frac{2}{3} \times \frac{5}{44} \times \frac{33}{35}$

(iv) $1\frac{4}{7} \times 1\frac{13}{22} \times 1\frac{1}{15}$

(ii) $\frac{12}{25} \times \frac{15}{28} \times \frac{35}{36}$

(v) $2\frac{2}{17} \times 7\frac{2}{9} \times 1\frac{33}{52}$

(iii) $\frac{10}{27} \times \frac{28}{65} \times \frac{39}{56}$

(vi) $3\frac{1}{16} \times 7\frac{3}{7} \times 1\frac{25}{39}$

3. Find:

(i) $\frac{1}{3}$ of 24

(iv) $\frac{7}{50}$ of 1000

(vii) $\frac{4}{9}$ of 54 metres

(x) $\frac{5}{6}$ of an year

(xiii) $\frac{7}{8}$ of a day

(ii) $\frac{3}{4}$ of 32

(v) $\frac{3}{20}$ of 1020

(viii) $\frac{6}{7}$ of 35 litres

(xi) $\frac{7}{20}$ of a kg

(xiv) $\frac{3}{7}$ of a week

(iii) $\frac{5}{9}$ of 45

(vi) $\frac{5}{11}$ of ₹ 220

(ix) $\frac{1}{6}$ of an hour

(xii) $\frac{9}{20}$ of a metre

(xv) $\frac{7}{50}$ of a litre

- Apples are sold at ₹ $48\frac{4}{5}$ per kg. What is the cost of $3\frac{3}{4}$ kg of apples?
- Cloth is being sold at ₹ $42\frac{1}{2}$ per metre. What is the cost of $5\frac{3}{5}$ metres of this cloth?
- A car covers a certain distance at a uniform speed of $66\frac{2}{3}$ km per hour. How much distance will it cover in 9 hours?
- One tin holds $12\frac{3}{4}$ litres of oil. How many litres of oil can 26 such tins hold?
- For a particular show in a circus, each ticket costs ₹ $35\frac{1}{2}$. If 308 tickets are sold for the show, how much amount has been collected?
- Nine boards are stacked on the top of each other. The thickness of each board is $3\frac{2}{3}$ cm. How high is the stack?