St. Andrews Scots Sr. Sec. School

9th Avenue, I.P. Extension, Patparganj, Delhi -110092

Session: 2025-2026

Class: V **Subject: Mathematics** **Topic: Unit -8 (Unitary Method)**

Questions to be done-

Ex-1 Q.1 MCQ(Book)

Q.2,Q.3 and Q.5 (Notebook)

Mental Maths Corner(Homework)

Real life connect

Lesson-8 : Unitary Method

Warm Up

1. Cost of 1 kg *laddoos* = ₹280
   Cost of 2.5 kg *laddoos* = 2.5 × ₹280 = ₹700

2. $1\frac{1}{2}$ dozen *samosas* = $\frac{3}{2}$ dozen *samosas* = $\frac{3}{2} \times 12$ *samosas*

   $= \frac{36}{2}$ *samosas* = 18 *samosas*

   Cost of 1 *samosa* = ₹ 12
   Cost of 18 *samosas* = ₹ 12 × 18 = ₹ 216

Exercise-1

1. **(a)** (iii) Number of bags required to pack 7 kg of wheat flour = 1
   Number of bag required to pack 1 kg of wheat flour = $\frac{1}{7}$
   ∴ Number of bags required to pack 245 kg of wheat flour

   $= \frac{\cancel{245}^{35}}{\cancel{7}_{1}} = 35$

   (b) (iii) Number of days required to read 42 pages = 1
   Number of day required to read 1 page = $\frac{1}{42}$
   Number of days required to read 1428 pages = $\frac{1428}{42} = 34$

   (c) (iii) The cost of a dozen (or 12) books = ₹ 1920
   ∴ The cost of one book = ₹ 1920 ÷ 12 = ₹ 160
   ∴ The cost of 7 books = ₹ 160 × 7 = ₹ 1120

2. Distance covered by train in 9 hours = 828 km
   Distance covered by train in 1 hour = $\frac{828}{9}$ km = 92 km
   Distance covered by train in 6 hours = 92 × 6 km = 552 km

3. Quantity of rice consumed by 80 students = 1440 kg
   Quantity of rice consumed by 1 student = $\frac{1440}{80}$ kg = 18 kg
   Quantity of rice consumed by 120 students = 18 × 120 kg = 2160 kg

4. Cost of 5 chocolates = ₹ 225
   Cost of 1 chocolate = ₹ $\frac{225}{5}$ = ₹ 45
   Cost of 9 chocolates = ₹ 45 × 9 = ₹ 405

5. Distance travelled by truck in 25 minutes = 18 km
   Distance travelled by truck in 1 minute = $\frac{18}{25}$ km
   Distance travelled by truck in 5 hours or 300 minutes

   $= \frac{18 \times 300}{25}$ km = 216 km

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