

Tender Heart High School, Sec - 33B, Chd.

Class - V

Date - 18.11.24

Subject - Mathematics

Teacher - Ms. Sushma

Chapter - 12 Money and Time

The currency of India is rupee (₹)

$$₹1 = 100p.$$

Exercise 12.1

A Add.

1. ₹ 76.35 and ₹ 288.25

$$\begin{array}{r} \textcircled{0} \textcircled{0} \quad \textcircled{1} \\ ₹ 76.35 \\ + ₹ 288.25 \\ \hline 364.60 \end{array}$$

Ans → ₹ 364.60

2. ₹ 506.25, ₹ 95.20 and ₹ 9.70

$$\begin{array}{r} \textcircled{0} \textcircled{2} \textcircled{0} \\ ₹ 506.25 \\ ₹ 095.20 \\ + ₹ 009.70 \\ \hline ₹ 611.15 \end{array}$$

Ans → ₹ 611.15

B. Subtract.

1. ₦ 85.50 - ₦ 35.10

$$\begin{array}{r}
 \text{₦ } 85.50 \\
 - \text{₦ } 35.10 \\
 \hline
 \text{₦ } 50.40
 \end{array}$$

2. ₦ 712.25 - ₦ 50.75

$$\begin{array}{r}
 \text{₦ } \overset{6}{7}\overset{11}{1}\overset{12}{2}.25 \\
 - \text{₦ } 50.75 \\
 \hline
 \text{₦ } 661.50
 \end{array}$$

C. Multiply

1. ₦ 45.50 x 4 = ₦ 182.00

$$\begin{array}{r}
 \textcircled{2}\textcircled{2} \\
 4550 \\
 \times \quad 4 \\
 \hline
 18200
 \end{array}$$

2. ₦ 122.50 x 25 = ₦ 3062.50

$$\begin{array}{r}
 \textcircled{00}\textcircled{2} \\
 12250 \\
 \times \quad 25 \\
 \hline
 61250 \\
 24500 \times \\
 \hline
 306250
 \end{array}$$

D Divide.

1. ₹ 630 ÷ 9 = ₹ 70

$$\begin{array}{r}
 70 \\
 9 \overline{) 630} \\
 \underline{-63} \downarrow \\
 00 \\
 \underline{-0} \\
 0
 \end{array}$$

2. ₹ 638.40 ÷ 28 = ₹ 22.80

$$\begin{array}{r}
 22.80 \\
 28 \overline{) 638.40} \\
 \underline{-56} \downarrow \quad | \quad | \\
 78 \quad | \quad | \\
 \underline{-56} \downarrow \\
 224 \quad | \quad | \\
 \underline{-224} \downarrow \\
 00 \quad | \quad | \\
 \underline{-0} \\
 0
 \end{array}$$

Exercise 12.2

Solve these story sums.

1. Reema bought apples - - - - - give to the shopkeeper.

Soln:- Cost of apples = ₹ 22.75

Money returned by the shopkeeper = ₹ 27.25

Money given to the shopkeeper = ₹ 22.75 + ₹ 27.25

$$\begin{array}{r}
 \text{₹ } 22.75 \\
 + \text{₹ } 27.25 \\
 \hline
 \text{₹ } 50.00
 \end{array}$$

So, Reema gave ₹ 50 to the shopkeeper.

Q2. At a carnival, Rahul spent ----- he spend in all?

Soln:→

$$\begin{array}{r}
 \text{Money spent on rides} = \text{₹ } 15.00 \\
 \text{Money spent on games} = \text{₹ } 137.00 \\
 \text{Money spent on food} = \text{₹ } 92.50 \\
 \text{Money spent in all} = \text{₹ } 274.50
 \end{array}$$

So, the total money spend in all is ₹ 274.50

Q3. Rajni bought washing powder ----- shopkeeper return?

Soln:→

$$\begin{array}{r}
 \text{Cost of washing powder} = \text{₹ } 235.50 \\
 \text{Cost of coffee} = \text{₹ } 142.80 \\
 \text{Cost of sugar} = \text{₹ } 96.30 \\
 \text{Total cost of all items} = \text{₹ } 474.60
 \end{array}$$

$$\begin{array}{r}
 \text{Money given to the shopkeeper} = \text{₹ } 500.00 \\
 \text{Cost of all items} = \text{₹ } 474.60 \\
 \text{Money returned by the shopkeeper} = \text{₹ } 25.40
 \end{array}$$

So, the money returned is ₹ 25.40.

Q4. A Chocolate bar ----- gives a 100-rupee note?

Soln:→

$$\begin{array}{r}
 \text{Cost of a chocolate bar} = \text{₹ } 15.25 \\
 \text{Cost of 3 chocolate bars} = \text{₹ } 45.75
 \end{array}$$

Money given to Shopkeeper = ₹ 100

Money returned to Aman = ₹100 - ₹45.75

$$\begin{array}{r}
 = ₹ 100.00 \\
 - ₹ 45.75 \\
 \hline
 ₹ 54.25
 \end{array}$$

So, the money returned to Aman is ₹54.25

Units of Time

1 year = 12 months or 52 weeks or 365 days

1 month = 30 days

1 week = 7 days

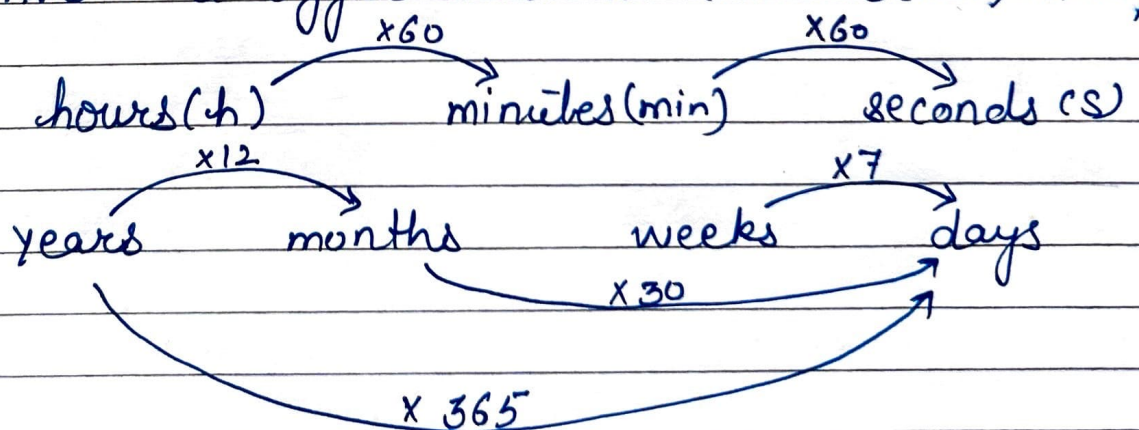
1 day = 24 hours

1 hour = 60 minutes

1 minute = 60 seconds

Conversion of units :->

To convert a bigger unit to a smaller one, multiply.



Exercise 12.3

A Convert to minutes.

1. 6 hours

$$1 \text{ hour} = 60 \text{ min.}$$

$$6 \text{ hours} = 6 \times 60 = 360 \text{ min}$$

2. 3 hrs 4 min

$$\begin{aligned} \text{Soln:-} &= (3 \times 60 + 4) \text{ min} \\ &= (180 + 4) \text{ min} = 184 \text{ min} \end{aligned}$$

3. 21 hours 50 min

$$\begin{aligned} &= (21 \times 60 + 50) \text{ min} \\ &= (1260 + 50) \text{ min} \\ &= 1310 \text{ min} \end{aligned}$$

B. Convert to seconds.

1. 4 min

$$\begin{aligned} \text{Soln:-} \quad 1 \text{ min} &= 60 \text{ sec} \\ 4 \text{ min} &= (60 \times 4) \text{ sec} = 240 \text{ sec} \end{aligned}$$

2. 3 min 25 sec.

$$\begin{aligned} &= (3 \times 60 + 25) \text{ sec} \\ &= (180 + 25) \text{ sec} \\ &= 205 \text{ sec} \end{aligned}$$

3. 32 min 20 sec

$$\begin{aligned} &= (32 \times 60 + 20) \text{ sec} \\ &= (1920 + 20) \text{ sec} \\ &= 1940 \text{ sec} \end{aligned}$$

C. Convert to hours.

1. 8 days

$$\begin{aligned} 1 \text{ day} &= 24 \text{ hours} \\ 8 \text{ days} &= 8 \times 24 \\ &= 192 \text{ hours} \end{aligned}$$

2. 5 days 9 hours

$$\begin{aligned} &= (5 \times 24 + 9) \text{ hours} \\ &= (120 + 9) \text{ hours} \\ &= 129 \text{ hours.} \end{aligned}$$

D. Convert to days.

1. 9 weeks.

$$\begin{aligned} 1 \text{ week} &= 7 \text{ days} \\ 9 \text{ weeks} &= 7 \times 9 \\ &= 63 \text{ days.} \end{aligned}$$

2. 2 weeks 4 days

$$\begin{aligned} &= (2 \times 7 + 4) \text{ days} \\ &= (14 + 4) \text{ days} \\ &= 18 \text{ days.} \end{aligned}$$

3. 1 year 4 months

$$\begin{aligned} &= (1 \times 365 + 4 \times 30) \text{ days} \\ &= (365 + 120) \text{ days} \\ &= 485 \text{ days.} \end{aligned}$$

$$\begin{aligned} 1 \text{ year} &= 365 \text{ days} \\ 1 \text{ month} &= 30 \text{ days} \end{aligned}$$

4. 1 year 1 month 12 days

$$\begin{aligned}
 &= (1 \times 365 + 1 \times 30 + 12) \text{ days} \\
 &= (365 + 30 + 12) \text{ days} \\
 &= 407 \text{ days}
 \end{aligned}$$

E. Convert to months.

1. 4 years.

$$1 \text{ year} = 12 \text{ months}$$

$$\begin{aligned}
 4 \text{ years} &= 12 \times 4 \\
 &= 48 \text{ months}
 \end{aligned}$$

2. 4 years 6 months

$$= (4 \times 12 + 6) \text{ months}$$

$$= (48 + 6) \text{ months}$$

$$= 54 \text{ months}$$

Converting a smaller unit to a bigger unit.

To convert a smaller unit to a bigger one, divide

