

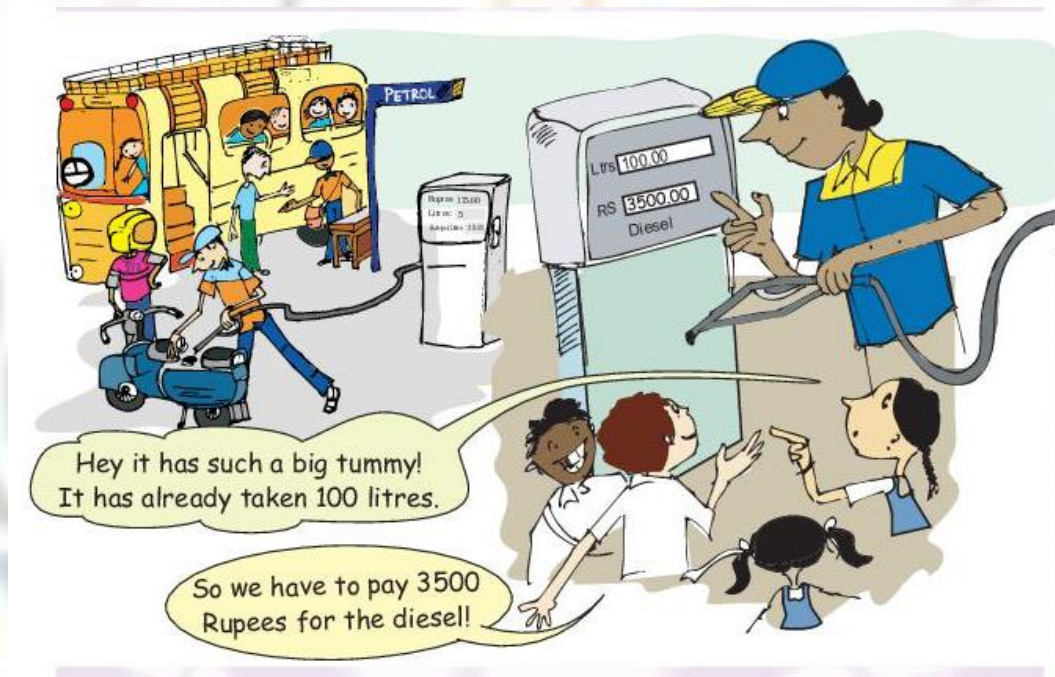


पुर्णमा International School
Shree Swaminarayan Gurukul, Zundal

Grade - IV
Maths
Specimen
copy
Year 21-22

Ch - 3

Trip to Bhopal



Key word to remember.

- Introduction - Measurement of distance
- Multiplication of distance
- Division of distance
- Making largest and smallest numbers using 4digits.
- Place value and face value
- Fill in the blanks.
- Estimate number nearest to ten, hundred and thousand.
- Activity



- **Introduction - Measurement of distance**

Distance measures length.

For example, the **distance** of a road is how long the road is.

It can be measure in millimetre, centimetre, metre and kilometre.

- **Multiplication of distance**

1) $87 \text{ km} \times 4$

$$\begin{array}{r} 87 \\ \times 4 \\ \hline 348 \end{array}$$

2) $97 \text{ km} \times 23$

$$\begin{array}{r} 97 \\ \times 23 \\ \hline 291 \\ 1,940 \\ \hline 2,231 \end{array}$$

3) $310 \text{ km} \times 98$

$$\begin{array}{r} 310 \\ \times 98 \\ \hline 2,480 \\ 27,900 \\ \hline 30,380 \end{array}$$

4) $7396 \text{ km} \times 3$

1. $323 \text{ km} \div 17$

$$\begin{array}{r} 19 \\ 17 \overline{) 323} \\ \underline{17} \\ 153 \\ \underline{153} \\ 0 \end{array}$$

$Q = 19, R = 0$

2. $858 \text{ km} \div 26$

$$\begin{array}{r} 33 \\ 26 \overline{) 858} \\ \underline{78} \\ 78 \\ \underline{78} \\ 0 \end{array}$$

$Q = 33, R = 0$

3. $6585 \text{ km} \div 5$

$$\begin{array}{r} 1317 \\ 5 \overline{) 6585} \\ \underline{-5} \downarrow \\ 15 \downarrow \\ \underline{-15} \\ 08 \downarrow \\ \underline{-5} \\ 35 \\ \underline{-35} \\ 0 \end{array}$$

$Q = 1317, R = 0$

4. $8338 \text{ km} \div 15$

$$\begin{array}{r}
 555 \\
 15 \overline{)8338} \\
 \underline{-75} \\
 83 \\
 \underline{-75} \\
 88 \\
 \underline{-75} \\
 13
 \end{array}$$

Q = 555
R = 13

5. 3084 km ÷ 71

$$\begin{array}{r}
 43 \\
 71 \overline{)3084} \\
 \underline{-284} \\
 244 \\
 \underline{-213} \\
 31
 \end{array}$$

Q = 43, R = 31

● **Make largest and smallest numbers using 4digits.**

1) 3, 4, 0,5 =Largest:5430

Smallest: 3045

2) 2, 9, 5,3 =Largest: 9253

Smallest: 2359

3) 9, 2, 0,5 =Largest:9520

Smallest: 2059

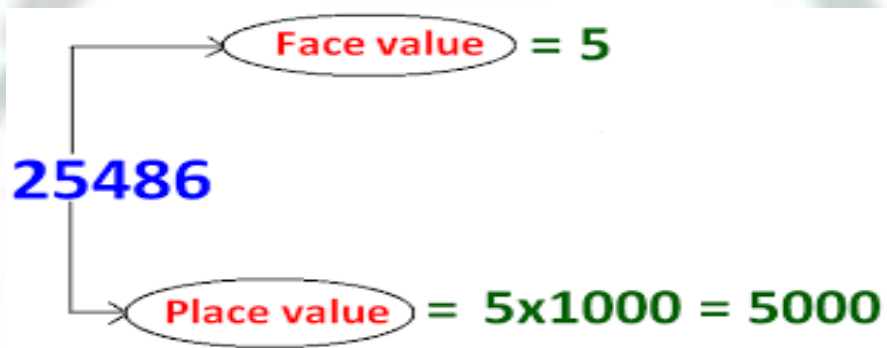
4) 7, 0, 6, 4 =Largest : 7640

Smallest : 4067

5) 4,5,0,8= Largest : 8540

Smallest : 4058

- **Place value and face value**



- **Fill in the blanks.**

a) In 2031 the digit 2 has the greatest place value and digit 1 has least place value.

b) The face value of 2 in 1452 is 2.

c) The smallest 4-digit number is 1000.

d) The greatest 4 - digit number is 9999.

e) $2345 = \underline{2000} + \underline{300} + \underline{40} + \underline{5}$

f) In 5489, the digit 4 has the place value is 400 and face value is 4.

g) Smallest 5-digit number is 10000.

h) Greatest 5-digit number is 99999.

i) Smallest 6-digit number is 100000.

j) Greatest 6-digit number is 999999.

k) In 2013 the digit 2 has the face value is 2.

l) In 4589 the digit 5 has the face value is 5.

- **Estimate number nearest to ten.**

1. $76 \approx 80$

5. $32 \approx 30$

2. $285 \approx 290$

6. $353 \approx 350$

3. $4751=4750$

4. $99=100$

7. $3469 =3470$

8. $781 =780$

• **Estimate number nearest to hundred.**

1. $999=1000$

2. $199=200$

3. $6005 =6000$

4. $589=600$

5. $638 =600$

6. $434 =400$

7. $6223 =6200$

8. $758 =800$

• **Estimate number nearest to thousand.**

1. $2167=2000$

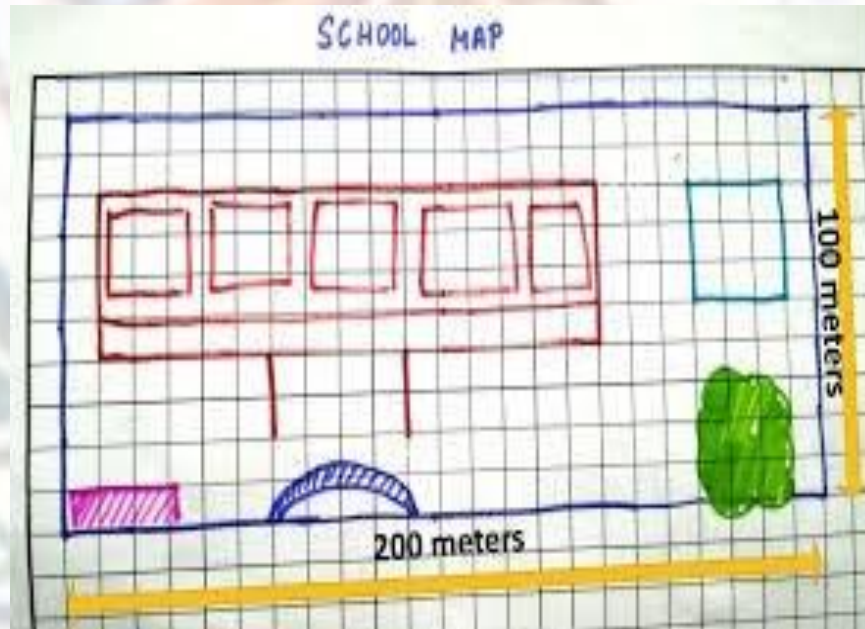
2. $4931=5000$

3. $795 =1000$

4. $8750 =9000$

Activity

Draw the map of school campus and write the distances in metre.

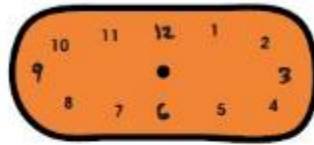


Chapter - 4

Tick - Tick - Tick



3:10



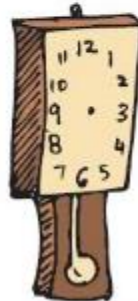
6:40



4:45



2:20



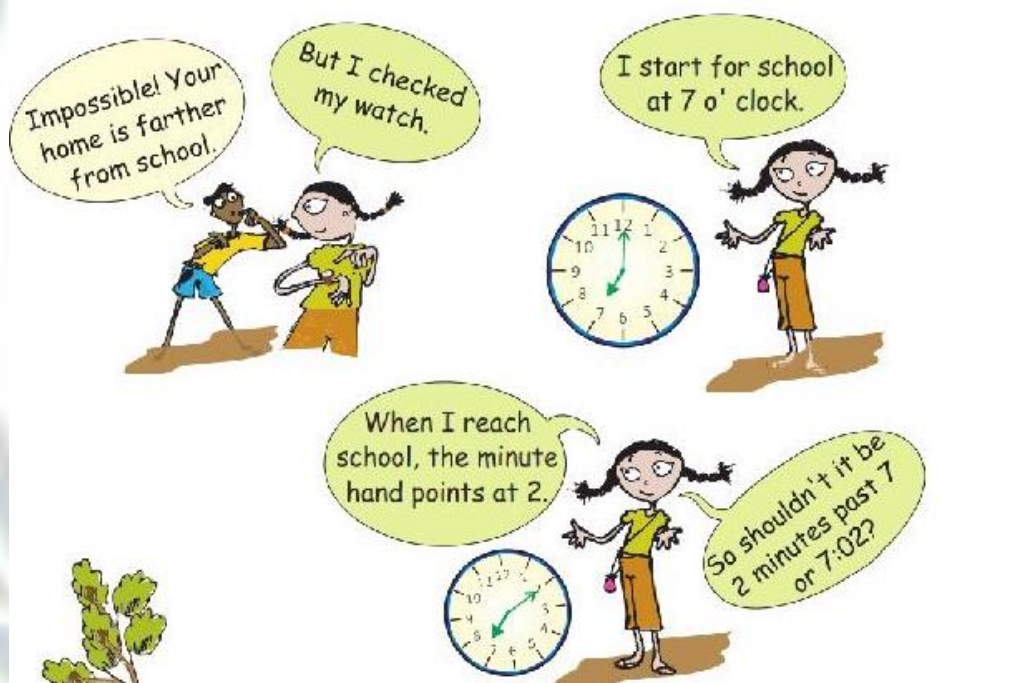
3:15



7:35

Key word to remember

- ◆ Introduction
- ◆ Show the time
- ◆ Convert of time
- ◆ Am and Pm
- ◆ Write the date
- ◆ Activity



- **Introduction.**

Time can be define as days, months, years, minutes, seconds and hours.

We use the letters am to show the time from 12 o'clock midnight to 12 o'clock noon.

We use the letters pm to show the time from 12 o'clock noon to 12 o'clock midnight.

- **Show the time.**



8:20



7:40



6:05



5:10
Ten past 5



1:15
Quarter past 1



10:45
Quarter to 11

- **Conversion of time.**

A. Convert hour into minutes.

1 hour = 60 minutes.

1) $2 \text{ hours} = 2 \times 60 \text{ min} = 120 \text{ minutes.}$

2) $3 \text{ hours} = 3 \times 60 \text{ min} = 180 \text{ minutes.}$

3) $4 \text{ hours} = 4 \times 60 \text{ min} = 240 \text{ minutes.}$

4) $6 \text{ hours } 35 \text{ minutes} = 6 \times 60 \text{ min} + 35 \text{ min}$
 $= 360 \text{ min} + 35 \text{ min}$
 $= 395 \text{ minutes}$

$$\begin{aligned} 5) 5 \text{ hours } 25 \text{ minutes} &= 5 \times 60 \text{ min} + 25 \text{ min} \\ &= 300 \text{ min} + 25 \text{ min} \\ &= 325 \text{ minutes.} \end{aligned}$$

B. Convert day into hours.

$$1 \text{ day} = 24 \text{ hours.}$$

$$1) 2 \text{ days} = 2 \times 24 \text{ hours} = 48 \text{ hours.}$$

$$2) 3 \text{ days} = 3 \times 24 \text{ hours} = 72 \text{ hours.}$$

$$3) 4 \text{ days} = 4 \times 24 \text{ hours} = 96 \text{ hours.}$$

$$\begin{aligned} 4) 6 \text{ days } 14 \text{ hours} &= 6 \times 24 \text{ hours} + 14 \text{ hours} \\ &= 144 \text{ hours} + 14 \text{ hours} \\ &= 158 \text{ hours.} \end{aligned}$$

$$\begin{aligned} 5) 4 \text{ days } 10 \text{ hours} &= 4 \times 24 \text{ hours} + 10 \text{ hours} \\ &= 96 \text{ hours} + 10 \text{ hours} \\ &= 106 \text{ hours.} \end{aligned}$$

C. Convert week into days.

$$1 \text{ week} = 7 \text{ days}$$

$$1) 2 \text{ weeks} = 2 \times 7 \text{ days} = 14 \text{ days.}$$

$$2) 3 \text{ weeks} = 3 \times 7 \text{ days} = 21 \text{ days.}$$

$$3) 4 \text{ weeks} = 4 \times 7 \text{ days} = 28 \text{ days.}$$

$$\begin{aligned} 4) 11 \text{ weeks and } 10 \text{ days} &= 11 \times 7 \text{ days} + 10 \text{ days} \\ &= 77 \text{ days} + 10 \text{ days} \\ &= 87 \text{ days.} \end{aligned}$$

$$\begin{aligned} 5) 25 \text{ weeks and } 6 \text{ days} &= 25 \times 7 \text{ days} + 6 \text{ days} \\ &= 175 \text{ days} + 6 \text{ days} \\ &= 181 \text{ days.} \end{aligned}$$

D. Convert month into days.

$$1 \text{ month} = 30 \text{ days.}$$

- 1) 5 months = 5×30 days = 150 days.
- 2) 3 months = 3×30 days = 90 days.
- 3) 4 months = 4×30 days = 120 days.
- 4) 12 months = 12×30 days = 360 days.
- 5) 10 months = 10×30 days = 300 days.

E. Convert year into months.

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

- 1) 2 years = $2 \times 12 = 24$ months.
- 2) 4 years = $4 \times 12 = 48$ months.
- 3) 18 years = $18 \times 12 = 216$ months.
- 4) 12 years and 4 months = $12 \times 12 + 4$ months
= 144 months + 4 months
= 148 months.

● Write the time with Am and Pm.

1. Half past four in the evening = **4:30 pm.**
2. Quarter to four in the evening = **2:15 pm.**
3. Quarter to four in the morning = **3:45 am.**
4. Three quarter past five in the evening = **5:45 pm**
5. Ten minutes to six in the evening = **5:50 pm.**
6. Five minutes to nine in the morning = **8:55 am.**
7. Six hours after 3:35 am = **9:35 am.**
8. Two hours after 12 noon = **2:00 pm.**
9. One hour before 12 mid - night = **11:00 pm.**

● **Write the date.**

- 1) 17 April 2021= **17-04-21.**
- 2) 3 September 2021= **03-09-21.**
- 3) 25 December 2021 = **25-12-21.**
- 4) 23-03-21 = **23 March 2021.**
- 5) 8-01-21 = **8 January 2021.**
- 6) 27-02-21= **27 February 2021.**
- 7) 15-06-13= **15 June 2013.**



Activity

Draw this in your note book to know more about time.

