



**पुर्णिमा International School**

Shree Swaminarayan Gurukul, Zundal

*Class -IV*

*MATH-MAGIC*

*Year- 2020-21*



# CH-3

## Trip to Bhopal

### ❖ Summary

- Measurement of Distance
- Division of Distance
- Largest and smallest numbers using 4 digits.
- Place value and face value
- Fill in the blanks.
- Estimate to nearest tens, hundred and thousand we follow the following procedure
- Estimate number nearest to ten, hundred and thousand.
- Activity



- **Measurement of Distance**

**Distance** measures length. For example, the **distance** of a road is how long the road is. In the metric system of **measurement**, the most common units of **distance** are millimetres, centimetres, meters, and kilometres.

- 1 kilometre = 1000 metres
- 1 metre = 100 centimetres
- Kilometre = Km, metre = m

- **Multiplication of distance**

**Example: 54 km X 67**

$$\begin{array}{r}
 54 \\
 \times 67 \\
 \hline
 378 \\
 3240 \\
 \hline
 3618
 \end{array}$$

First multiply  $7 \times 54$ .  
Pretend the 6 of the 67 is not there.

Then multiply  $60 \times 54$ , but put the result underneath the 378. Remember the zero.  
Pretend the 7 of the 67 is not there!

Then add.

1. 4325 km X 21
2. 3852 km X 35
3. 4325 km X 40

- **Division of Distance**

**Example: 275 km ÷ 5**

$$\begin{array}{r}
 \text{Dividend} \\
 \downarrow \\
 \text{Divisor} \rightarrow 5 \overline{)217} \quad (43 \leftarrow \text{Quotient} \\
 \underline{20} \\
 17 \\
 \underline{15} \\
 2 \leftarrow \text{Remainder}
 \end{array}$$

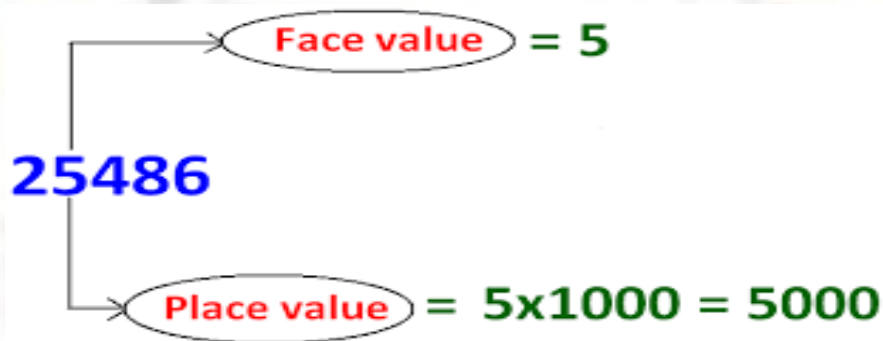
1. 7878 km ÷ 6
2. 6257 km ÷ 8
3. 3652 km ÷ 4



- **Largest and smallest numbers using 4 digits.**

- 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

- **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)  $2345 = \underline{2000} + \underline{300} + \underline{40} + \underline{5}$
- e) In 5489, the digit 4 has the place value is 400 and face value is 4.

- **Estimate to nearest tens, hundred and thousand we follow the following procedure:**

- a) **79**

Ones or unit digit in 79 is 9, which is greater than 5.

So, we replace the ones digit by 0 and increase the tens digit by 1 to get the rounded off number.

Hence, rounded off number = 80.

- b) **839**

The given number is 839.

Its tens digit is 3, which is less than 5. So, we replace each of the tens and ones digits by 0 and keep the other digits as they are to round off the given number to nearest hundreds.

Hence, 839 is rounded off to nearest hundreds as 800.

c) **14329**

The given number is 14329.

Its digit at hundreds place is 3, which is less than 5. So, we replace each of the hundreds, tens and ones digits by 0 and keep the other digits as they are.

So, the number 14329 is rounded off to nearest thousands as 14000.

• **Estimate number nearest to ten.**

- |                  |                  |
|------------------|------------------|
| 1. $76 = 80$     | 5. $32 = 30$     |
| 2. $285 = 290$   | 6. $353 = 350$   |
| 3. $4751 = 4750$ | 7. $3469 = 3470$ |
| 4. $99 = 100$    | 8. $781 = 780$   |

• **Estimate number nearest to hundred.**

- |                  |                  |
|------------------|------------------|
| 1. $999 = 1000$  | 5. $638 = 600$   |
| 2. $199 = 200$   | 6. $434 = 400$   |
| 3. $6005 = 6000$ | 7. $6223 = 6200$ |
| 4. $589 = 600$   | 8. $758 = 800$   |

• **Estimate number nearest to thousand.**

- |                  |                  |
|------------------|------------------|
| 1. $2167 = 2000$ | 3. $795 = 1000$  |
| 2. $4931 = 5000$ | 4. $8750 = 9000$ |

• **Activity**

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

