BISHOP SCOTT BOYS' SCHOOL

(Affiliated to CBSE, New Delhi) Affiliation No.: 330726, School Campus: Chainpur, Jaganpura, By-Pass, Patna 804453.
Phone Number: 7061717782, 9798903550. ,
Web: www.bishopscottboysschool.com Email: info@bishopscottboysschool.com

STUDY COURSE MATERIAL
MATHEMATICS
SESSION-2020-21
CLASS- V

TOPIC: Basic Operations

DAY-1

❖ **TEACHING MATERIAL**

Word problems on Multiplication and Division:

Example:

In a village there are 760 people. Each person in a month, spends Rs 25,660 on daily expenses and Rs 780 on transportation. Find the total expenditure of the village in a month.

Solution:

Each person spends:

On daily needs: Rs 25,660
On transportation: Rs 780
Total expenditure: = Rs 25,660 + Rs 780 = Rs 26,440

There are 760 people.

Total expenditure for one month for 760 people = Rs 26440 x 760
Total expenditure of the village for a month is Rs 20,09,44,00

Video link
http://youtu.be/xhlMFEXAWtU

DAY-2

Related questions:

1) A huge building is to be decorated during Diwali. The building has 5 floors and each floor has 256 rooms. Each room has 3 windows and 2 doors. 5 diyas are to be lit in each window and 2 diyas in each door. How many diyas in all will be required?
2) Product of 2 numbers is 7,56,02,804. If one number is 24,062, Find the other number.
3) Find the largest 9- digit number which is divisible by 2,595.

❖ Video link

http://youtu.be/KPCEudrIM84

DAY-3

❖ **TEACHING MATERIAL**

BODMAS

BODMAS is the acronym for the order of operations to solve an expressions.

The BODMAS rule can be written as:

B — Brackets
O—of
D— Division
M—-Multiplication
A—-Addition
S—-Subtraction

Brackets are of three types

I) ( ) - called first brackets or parentheses or round brackets
II)[ ] - called square brackets
III) { } - called braces or curly brackets

Example:

1. Simplify: 37 - [5 + {28 - (19 - 7)}]

Solution:

37 - [5 + {28 - (19 - 7)}]

= 37 - [5 + {28 - 12}] **[Removing the innermost bracket ( )]**

= 37 - [5 + 16] **[Removing braces { }]**

= 37 - 21

= 16.

2. Simplify: $78 - [24 - \{16\,(5 - \overline{4 - 1})\}]$

Solution:

$78 - [24 - \{16 - (5 - \overline{4 - 1})\}]$

$= 78 - [24 - \{16 - (5 - 3)\}]$
[Removing vinculum]

$= 78 - [24 - \{16 - 2\}]$
[Removing parentheses]

$= 78 - [24 - 14]$
[Removing braces]

$= 78 - 10$

$= 68.$

Related questions:

- $5400 \div 27 + 50 \times 4$
- $[\,84840 \div 40 - 40\,(\,60 \times 15\,) + 110\,] \div 11 + 720 - 55$
- $(\,33 \times 44 - 12\,) \div 16 - 23$
- $80 - [\,15 + \{\,12 - (\,16 \div 4)\,\}]$
- $32 - [\,20 \div 5 + . \{\,63 \div 9\}]$

DAY-4

❖ **TEACHING MATERIAL**

Rounding off:

To round off or estimate means to find a near about answer. We can round off the numbers to the nearest tens, hundreds or thousands place.

Rules for rounding numbers:

- **If the number you are rounding is followed by 5, 6, 7, 8, or 9, round the number up. Example: 38 rounded to the nearest ten is 40[1]**

- **If the number you are rounding is followed by 0, 1, 2, 3, or 4, round the number down. Example: 33 rounded to the nearest ten is 30**

❖ **VIDEO-LINKS**

http://youtu.be/fd-E18EqSVk

<u>DAY-5</u>

Related questions:

Round off the given numbers:

Round off the given numbers to the tens place:

a) 234,678
b)1,456,092

Round off the given numbers to the hundreds place:
a) 108,236
b) 34,609,502
Round off the given numbers to the Thousands place:
a) 2,583,019
b)23,820,519
Worksheets

❖ VIDEO -LINKS

http://youtu.be/fd-E18EqSVk

❖ VIDEO-LINKS

http://ncert.nic.in/ebooks.html

: