DON BOSCO SCHOOL, KOKAR, RANCHI

Session-2020 - 2021

Class 6 D

Subject- Mathematics 1

Chapter 2
Exercise-2.5 (Natural numbers and Whole numbers)

Remember for this exercise
1. Dividend=divisor x quotient +remainder
Where remainder can be either 0 or less than the divisor.

Q1. Divide and check the quotient.
(Class-5 Revision) (children will do this work of their own)
(They must learn the tables)

Q2. Find the greatest 7 digit number which is exactly divisible by the greatest 3 digit number.
Ans.
The greatest number of 7 digit=9999999
The greatest number of 3 digit=999
As such 9999999÷999
Here quotient becomes=10010
And remainder=9
So 9 has to be subtracted from the greatest 7 digit number so that it is completely divided by greatest three digit number
That is 9999999-9=9999990 is the greatest 7 digit number that can be completely divided by 3 digits greatest number.Ans.

Q3. Find the greatest 4 digit number that is exactly divisible by 42.
Ans.

The greatest 4 digit number=9999
Its divisibility by 42=9999÷42(children will do division)
Here quotient =238
Remainder= 3
the greatest four digit number has to be subtracted by 3 to get it completely divided by 42
That is 9999-3=9996 is the greatest 4 digit number that can be completely divided by 42.Ans.

Q4.246 apples can be packed in a cartoon how many cartoons are required to pack 2755200 apples?
Ans.
Total number of apples to be packed in cartoons=2755200 apples
As one carton contains=246 apples
then how many cartons are required to pack to total number of apples=
2755200÷246=11,200(children will do division work)
11200 cartons are required to pack the total number of apples.Ans.

Q. Division does not distribute over addition. Give an example to justify the statement.

Considering an example
A number 40 to be divided by 8+2
That is 40÷(8+2) not equal to (40÷8)+40÷2
=5+20
As 40 divided directly by 10 we get the answer 4
So, division does not distribute over addition.

Q6. Find a number which when divided by 32 gives 26 as the quotient and 4 as the remainder.

Here in the questions
Divisor =32 quotient =26 and remainder =4
As we know that dividend = to divisor +remainder
Then dividend=32x26+4=836 Ans

Q7. Find a number which when divided by 57 gives 39 as the quotient and 7 as remainder.
Ans.

Here =57 question =39 and remainder =7
Is the dividend=divisor x quotient+ remainder
Then dividend=57x39 +7=2230 And

Q8. The product of two numbers is 56088. If one number is 123 what is the other number?
Ans.

In the question
Product of two numbers= 56088
And one number =123
As we know that product of two numbers =first number ×second number

So the second number= product×second number.
That is the second number=56088 ÷123
(Children will do division)
Second number =456 Ans

Q9. On dividing 62345 by 199, the remainder is 58. Find the quotient.

Ans.
Here in the question
Dividend 62345. Divisor= 199
And remainder= 58
Then what is the quotient?
As we know that dividend =divisor× quotient +remainder.
Then quotient= {dividend -remainder}÷ divisor
Quotient=(62345-58)÷199=313Ans
(Children will do the division work)

Q10. On dividing 34567 by 92 the remainder is 67 find the quotient.
Ans.
Here in the question
Dividend =34567 ,divisor =92 and remainder= 67
Then what is the quotient?
As quotient= (dividend -remainder)÷ divisor
Quotient =(34567 -6792)÷92=375Ans.
_____