TOPIC – DIVISION

KEY POINTS

- In division the number to be divided is called the **dividend**, the number by which we divide is **divisor** and the answer obtained is **quotient**.

- The number left after completing the process of division is called the **remainder**.

- Division is repeated **subtraction**.

- Division is **inverse** of multiplication.

- Remainder is always **smaller** than the divisor.

- **Dividend = Divisor X Quotient + Remainder**

- When we divide a number by itself, the quotient is always 1.

  e.g. $65 \div 65 = 1$

- When we divide a number by 1, the quotient is number itself.

  e.g. $326 \div 1 = 326$

- When we divide 0 by any number, the quotient is 0.

  e.g. $0 \div 62 = 0$

- Division by 0 is not defined.

  e.g. $45 \div 0$ is not defined

Now solve the following exercise.

Q.1 Fill in the blanks :

i) $143 \div$ _____ $= 143$

ii) $40 \div 0 =$ _____

iii) $3425 \div$ _____ $= 1$

iv) $0 \div 659 =$ _____

v) If the dividend is 0, the quotient is _____ .

Q.2 Find the quotient and remainder:

a) $32 \div 10$ Q = _____   R = _____

b) $6078 \div 1000$ Q = _____   R = _____

c) $435 \div 100$ Q = _____   R = _____

Q.3 Divide and find the quotient and remainder:

a) 256 ÷ 13   b) 249 ÷ 15   c) 2197 ÷ 24

d) 748 ÷ 31   e) 9201 ÷ 45

Q.4   Write the dividend in the blanks:

a) _____ ÷ 15 = 8   b) _____ ÷ 12 = 6

c) _____ ÷ 12 = 5   d) _____ ÷ 9 = 11

Q.5   Write the division facts for following multiplication facts:

a)   200 X 5 = 1000   _____   _____

b)   85 X 5 = 765   _____   _____

Q.6   Divide 8579 by 19. Find the quotient and remainder. Also verify your result.

Q.7   Find the dividend by using given formula:
        Dividend = Divisor X Quotient + Remainder
            a)   Divisor = 352 , Quotient = 78 and Remainder = 105

            b)   Divisor = 428 , Quotient = 228 and Remainder = 127
Q.8   How many minutes make 2580 seconds?

Q.9   5025 books are to be placed in bookshelves. How many bookshelves are needed if each
        bookshelf can hold 25 books?

Q.10   A bundle of rope costs Rs. 21. How many bundles can be bought for Rs. 95875? How
        much money will be left over?

Note:-   Do the worksheet in a separate notebook or A-4 sheets if the notebook is not available.