BRAIN INTERNATIONAL SCHOOL

MATHEMATICS WORKSHEET **CLASS-IV** **AUGUST 2024**

NAME:_____ CLASS:_____ SEC:_____ DATE:_____

CH- 4 DIVISION

Q1. Fill in the blanks-

1. We cannot divide a number by _____.
2. _____ x Quotient + Remainder = Dividend
3. If zero is divided by a number, the answer is _____
4. 157 ÷ 157 = _____

Q2. Write the division facts: 12 × 11 = 132.

Q3. Divide and check your answer by multiplication.

a) 1567 ÷ 23

Q4. Using the rules of division, find quotient and remainder.

a) 789 ÷ 10
b) 1357 ÷100
c) 4587 ÷ 1000

Q5. A shopkeeper received 336 kg of rice equally in 6 sacks. Find the amount of rice present in each sack.

Q6. Without doing actual division, state whether the following divisions will have a remainder or not.

a) 2540 ÷ 10 b) 5330 ÷ 6

Q7. Apply the DMAS rule to solve the following expressions.

a) $46 - 2 \times 10 + 20 \div 5$

b) $32 \div 2 - 5 \times 1 + 4$

CASE STUDY BASED QUESTION-

Q8. Sahil went to a book store to purchase various books for the school library. He bought 7 comic books, 8 Science books, 6 General knowledge books and 5 Mathematic books. He paid ₹ 350 for the comic books and ₹396 for General knowledge books to the shopkeeper.

a) What will be the cost of 1 comic book?

b) If the cost of a science book is ₹ 200, what will be the cost of 8 such books?

c) How much would he pay for 1 mathematic book, if he had paid ₹ 550 for the mathematic books?

DIRECTION : In the following question, a statement of **Assertion (A**) is followed by a statement of **Reason (R)** . Choose the correct option.

a) Both Assertion and Reason are true and Reason is a correct explanation of Assertion.
b) Both Assertion and Reason are true and Reason is not a correct explanation of Assertion.
c) Assertion is true but Reason is false.
d) Assertion is false but Reason is true.

Q9. Assertion (A): If a number is divided by itself, the answer is always 1.

Reason(R) : 257 ÷ 257 = 0

Q10. Assertion (A) : If the last digit of a number is either 0 or 5, the number is divisible by 5

Reason(R) : 2550 is divisible by 5

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CH- 5 MULTIPLE AND FACTORS (INNINGS 5.1 AND INNINGS 5.2)

Q1. Write the following.

a) the first five multiples of 12

b) the 6th multiple of 8

c) the first multiple of 12 which is exactly divisible by 5.

d) Multiples of 7 less than 40.

Q2. Observe the pattern and write the next three multiples.

a) 25, 30, 35, _____, _____, _____.

b) 35, 42, 49, _____, _____, _____.

Q3. Find the following.

a) the first three common multiples of 5 and 10.

b) the smallest number that is a common multiple of 12 and 6.

Q4. Fill in the blanks-

1. The smallest multiple of 14 is _____

2. The 4^{th} multiple of 7 is _____

Q5. Sam can jump 4 steps at a time and Nina can jump 5 steps at a time. On which of the steps will they meet if both start jumping together?

DIRECTION : In the following question, a statement of **Assertion (A**) is followed by a statement of **Reason (R)** . Choose the correct option.

a) Both Assertion and Reason are true and Reason is a correct explanation of Assertion.
b) Both Assertion and Reason are true and Reason is not a correct explanation of Assertion.
c) Assertion is true but Reason is false.
d) Assertion is false but Reason is true.

Q6. Assertion (A): Multiples are the product of given number with the natural number 1,2,3,4 and so on.

Reason(R) : Multiples of 6 are 6,12,18,24 ……. And so on.