

St. Andrews Sr. Sec. Scots School

9th Avenue, I.P. Extension, Patparganj, Delhi – 110092

Session: 2026 - 2027

Class: VIII	Subject: Mathematics	Topic:Playing with numbers	Worksheet- 3
--------------------	---------------------------------	---------------------------------------	---------------------

SUBJECTIVE QUESTION

Q1. Find the value of A and B:

$$\begin{array}{r} \text{A B} \\ \times \text{A 7} \\ \hline \text{2 1 1 B} \end{array}$$

Q2. Observe the following patterns:

$$1 \times 9 - 1 = 8$$

$$21 \times 9 - 1 = 188$$

$$321 \times 9 - 1 = 2888$$

$$4321 \times 9 - 1 = 38888$$

Find the value of $87654321 \times 9 - 1$

Q3. Find the numbers if the sum of three consecutive numbers is 24.

Solution

Q4. What is the digital root of 346?

Q5. Find A and B in the given addition, if

$$\begin{array}{r} \text{2 B} \\ + \text{A B} \\ \hline \text{8 A} \end{array}$$

Q6. If the sum of four consecutive numbers is 22, then find the numbers

Q7. Which of the following expressions are even?

(i) $53 + 49$ (ii) $4 \times 199 \times 7W$

Q8. What happens when we add 4 odd numbers ?

Q9. Between the numbers 600 and 700 , which numbers have the digital root:

(i) 5

(ii) 3

Q10. When we add an odd number to an even number then we

get a multiple of 4. Is this statement is true ?