

St. Andrews Sr. Sec. Scots School

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Session: 2026 - 2027

Class: VIII	Subject: Mathematics	Topic:Ch-1Number system	Worksheet- 1
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OBJECTIVE QUESTION

Question 1.

If $4x7y$ is divisible by 36, what are the possible pairs for x and y ?

- (a) (1, 8)
- (b) (2, 4)
- (c) (1, 6)
- (d) (3, 9)

Question 2.

Find three consecutive numbers such that the first is a multiple of 7, the second is a multiple of 2, and the third is a multiple of 5. What is the smallest such set?

- (a) 14, 15, 16
- (b) 20, 21, 22
- (c) 28, 22, 30
- (d) 35, 36, 37

Question 3.

Which of the following numbers is divisible by 11?

- (a) 4686
- (b) 5678
- (c) 3742
- (d) 5416

Question 4.

The sum of five consecutive numbers is 95. What is the middle number?

- (a) 17

- (b) 18
- (c) 19
- (d) 20

Question 5.

If the product of two numbers is a multiple of 10 and one number is 5, what can be said about the other number?

- (a) Must be even
- (b) Must be odd
- (c) Must be a multiple of 3
- (d) Cannot be determined

Question 6.

A number leaves a remainder of 5 when divided by 7 and a remainder of 2 when divided by 9. Which of the following could be?

- (a) 39
- (b) 47
- (c) 53
- (d) 61

Question 7.

Which of the following sums of digits will always be divisible by 3?

- (a) $5 + 9 + 3$
- (b) $4 + 7 + 8$
- (c) $3 + 6 + 9$
- (d) $2 + 5 + 7$

Question 8.

The digital root of a number is 8. What is the digital root of the number plus 12?

- (a) 2
- (b) 3
- (c) 7
- (d) 9

Question 9.

If $5A \times A = 399$, then the value of A is

- (a) 3
- (b) 6
- (c) 7

(d) 9

Question 10.

If $A \times 3 = 1A$, then A is equal to

(a) 3

(b) 5

(c) 2

(d) 6