PLAYING WITH NUMBERS

DIVISIBILITY TEST

EXERCISE

Q.1 If $\overline{2y5}$ is divisible by 11, where y is a digit, what is the value of y?

Q.2 Given that the number $\overline{148101a095}$ is divisible by 11, where a is some digit, what are the possible values of a?

Q.3 Which of the following numbers are divisible by 2? 57,34,60,93,126,365,890,992

Q.4 Which of the following numbers are divisible by 3? 42,73,84,105,314,726,814,915

Q.5 Which of the following numbers are divisible by 5? 30,49,75,210,305,640,704,985

Q.6 Which of the following numbers are divisible by 9? 36,90,157,243,514,810,719,936

Q.7 Which of the following numbers are divisible by 10?·

75,80,140,400,670,895,985,990.

ANSWER KEY

1. $y = 7$.

2. $a = 4$

3. 34, 60, 126, 890, 992

4. 42, 84, 105, 726, and 915

5. 30,75,210,305,650,985

6. 36,90,243,810,936

7. 80,140,400,670,990