

1. Write the following number in expanded form.

- a. 62365
b. 756
c. 3002
d. 4050

2. Write the number corresponding to the following expanded forms

- a. $300 + 20 + 3$.
b. $7000 + 40 + 5$
c. $1000 + 300 + 6$
d. $3000 + 700 + 1$

3. Which of the following numbers are divisible by 2?

- a. 6745
b. 7654
c. 9033
d. 2080

4. Which of the following numbers are divisible by 3?

- a. 1234
b. 6369
c. 1251
d. 2001

5. Which of the following numbers are divisible by 4?

- a. 5344
b. 8764
c. 8895
d. 2038

6. Which of the following numbers are divisible by 5?

- a. 1375
b. 9866
c. 5490
d. 2345

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

- a. 1230
b. 3709
c. 4105
d. 4150

8. Which of the following numbers are divisible by 8?

- a. 12340
b. 12600
c. 54128
d. 1232

9. Which of the following numbers are divisible by 11?

- a. 12121
b. 121212
c. 11011
d. 10109

10. Which of the following numbers are divisible by 9?

- a. 1234
b. 6369
c. 1251
d. 2001

- Construct a 4×4 magic square using 16 consecutive numbers starting from 10. What is its magic sum?
- Construct a 3×3 magic square using 9 consecutive numbers starting from 14. What is its magic sum?
- Find the values of a such that the number $12345a$ is a multiple of 3.
- find the value of a and b such that $4a3b$ is divisible by 9 and 10.
- Find all four digit numbers of the form $34pq$ which are divisible by 4 and 5.
- Without actual calculations, find the quotient when the difference between 82 and 28 is divided by the following numbers.
 - 3
 - 6
 - 9
 - 18
- Without actual calculations, find the quotient when the difference between 925 and 529 is divided by the following numbers.
 - 11
 - 9
 - 33
 - 99
- Without actual calculations, find the quotient when the sum 628,286 and 862 is divided by the following numbers.
 - 16
 - 37
 - 111
 - 3
- Without actual calculations, find the quotient when the sum 519, 591, 915, 951, 159 and 195 is divided by the following numbers.
 - 37
 - 74
 - 111
 - 222

1. Complete the following table using the letters Y or N

Divisible by	2	3	4	5	8	9	10	11
Numbers								
16384	Y	N						
10215								
14520								
23112								

(Note Y indicates the number 16384 is divisible by 2 and N indicates the number 16384 is not divisible by 3.)

2. Match the following expressions to the product having the same values

	Sum		Product
(a)	$423 - 324$	i.	$2 \times 3 \times 37 \times 9$
(b)	$42 - 24$	ii.	111×9
(c)	$423 + 234 + 342$	iii.	$3 \times 3 \times 11$
(d)	$423 + 432 + 234 + 243 + 342 + 324$	iv.	2×9

3. State true or false

- A number divisible by 3 is also divisible by 9.
- A number divisible by 8 is also divisible by 4.
- A number divisible by 4 is also divisible by 2.
- A number divisible by 5 is also divisible by 10.

4. Without actual calculations find the quotient when the sum of 76 and 67 is divided by 11..

5. Find the values of a and b such that $ab6 \times b = 3a80$.

6. Construct a 3 x 3 magic square using 9 consecutive numbers starting from 1.