

Worksheet

classmate

Date _____

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Test of divisibility.

A. Fill in the blanks

1. An number is divisible by 10, if its Last digit is zero.
2. ~~A~~ A number is divisible by 9, if the sum of ~~it~~ its digits ~~is~~ is divisible by Nine.
3. ~~A~~ A number is divisible by ~~6~~ 6, if its ~~last digit~~ last digit is divisible by Three and Two.
4. An number is divisible by 5, if ~~it~~ its Last digit either 5 or 0.
5. A number is divisible by 3, if the sum of its digits is divisible by Three.

B. Answer the following

6. What do you mean by even numbers?

Ans. A whole number that is able to be divided by two into two equal whole numbers. The numbers 0, 2, 4, 6, 8 are even numbers.

7. What do you mean by odd numbers?

Ans. A whole number that is not able to be divided by two into two equal whole numbers. The numbers 1, 3, 5, 7 are odd numbers.

8. Write down all even numbers in between 50 to 70.

Ans - 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70

9. Write down all odd numbers between 80 to 100.

Ans 81, 83, 85, 87, 89, 91, 93, 95, 97, 99

10. What is the divisibility rule - for factor?

Ans. If the Tens and ones place is divisible by four the whole number is divisible by 4

C. Find the answers

11. Check the divisibility of 7,230, by 3

Ans. $7 + 2 + 3 + 0 = 12$

so, ~~7,230~~ is ~~so, ~~12~~ is divisible by 7,230~~

$$3 \times 4 = 12$$

so, 7,230 is divisible by 3.

12. Check the divisibility of 52,361 by 9

Ans. $5 + 2 + 3 + 6 + 1 = 17$

so, 52,361 is not divisible

$$9 \times 2 = 18$$

by 9.

13. Check the divisibility of 2812 by 6

Ans. $2812 \div 2 = Q = 1406, R = 0$

$$2812 \div 3 = Q 937 R = 1$$

So, ~~This is not divi~~ 2812 is not divisible by 6

14. Check the divisibility of ~~2872~~ 78,684 by 4

Ans $78, \textcircled{84} = 84 \div 4 = 21$

So, 78,684 is divisible by 4

15. Check the divisibility by 39,655 by 5

Ans ~~$39,65\textcircled{5} = 5 \div 5 = 1$~~

~~$39,65\textcircled{5} = 5$~~ $39,65\textcircled{5} = 5$

There is five on the last digit so it is divisible by 5