

## Math worksheet

### Test of divisibility

1. A number is divisible by 10, if its last digit is 0.

2. A number is divisible by 9, if the sum of its digits is divisible by 9.

3. A number is divisible by 6, if it is divisible 2 and 3.

4. A number is divisible by 5, if its last digit is either 5 or an even number.

5. A number is divisible by 3, if the sum of its digits is divisible by 3.

B.6. ans- Numbers having 2, 4, 6, 8 and 0 as their ones digit are known as even number.

7. ans- Numbers having 1, 3, 5, 7 and 9 as their ones digit are known as odd numbers.

8. ans- 52, 54, 56, 58, 60, 62, 64, 66, 68.

9. ans- 81, 83, 85, 87, 89, 91, 93, 95, 97, 99.

10. ans- A number is divisible by 4, if the number formed by its last two digits is divisible by 4 or if the last two digits are both zeros.

C. ans- Divisibility of 7,230 by 3.

$$7+2+3+0=12, 12 \div 3=4$$

1. 7,230 is divisible by 3.

2. ans- Divisibility of 52,361 by 9.

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

3. 52,361 is not divisible by 9.

13. ans - Divisibility of 78,684 by 4

$$\begin{array}{r} 2 \overline{) 78684} \\ \underline{4} \phantom{00} \\ 38 \phantom{0} \\ \underline{32} \phantom{0} \\ 6 \phantom{0} \\ \underline{6} \phantom{0} \\ 0 \phantom{0} \\ \underline{0} \\ 0 \end{array}$$

78,684 is not divisible by 4

14. ans - Divisibility of 2812 by 6

$$\begin{array}{r} 1406 \\ 2 \overline{) 2812} \\ \underline{2} \phantom{00} \\ 08 \phantom{0} \\ \underline{08} \phantom{0} \\ 01 \phantom{0} \\ \underline{00} \phantom{0} \\ 12 \\ \underline{12} \\ 0 \end{array}$$

$$\begin{array}{r} 937 \\ 3 \overline{) 2812} \\ \underline{27} \phantom{00} \\ 011 \phantom{0} \\ \underline{09} \phantom{0} \\ 22 \\ \underline{21} \\ 01 \end{array}$$

2812 is not divisible by 6

15. ans -

15. ans - Divisibility of 39,655 by 5

$$\begin{array}{r} 7931 \\ 5 \overline{) 39655} \\ \underline{- 35} \phantom{0} \\ 046 \phantom{0} \\ \underline{- 45} \phantom{0} \\ 015 \phantom{0} \\ \underline{- 15} \phantom{0} \\ 05 \phantom{0} \\ \underline{- 5} \\ 0 \end{array}$$

39,655 is divisible by 5.