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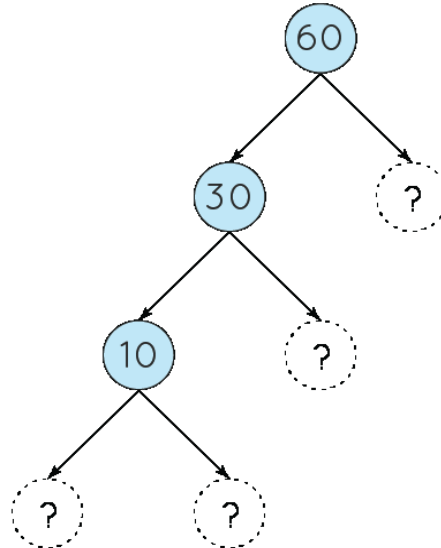
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Factors and Multiples Worksheet-2

1. Complete the factor tree given below:



2. Write 'True' or 'False' for the given statements.

- 1 is a multiple of every number.
- 0 is a multiple of every number.
- Two number having 1 as the only common factor are co-primes.

3. Find all the numbers which are the factors of both 27 and 45.

4. 48 students are going on a zoo trip. What are the ways to organize them into equal groups?



5. Color all the factors of 50 out of the given options.

1	11	21	31	41
2	12	22	32	42
3	13	23	33	43
4	14	24	34	44
5	15	25	35	45
6	16	26	36	46
7	17	27	37	47
8	18	28	38	48
9	19	29	39	49
10	20	30	40	50

6. Fill the given blank:

$8 \times 9 = 72$. Here 72 is the of 8 and 9.

7. List first five common multiples of 8 and 12.

8. If bread comes in packages of 14 and jam comes in packages of 70. What is the least number of packages of each that can be bought to be able to make breakfast with no bread or jam left over?



9. Write the greatest 5-digit number in the form of its prime factors.

10. Given that the distance from point A to B is 88 miles. Find out all the possible values (in whole numbers) of speed and time required to cover the same distance.

[Hint: Distance = Speed \times Time]

Are all the values of speed and time factors of 88?

Can we say that distance is a common multiple of speed and time?



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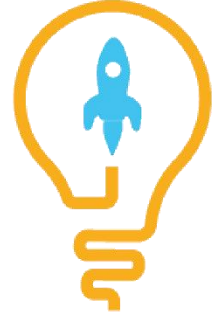
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- Barbara Cabrera

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**ANSWERS**

1)	2, 3, 2, 5
2)	a) False b) True c) True
3)	1, 3, 9
4)	$1 \times 48, 2 \times 24, 3 \times 16, 4 \times 12, 6 \times 8, 8 \times 6, 12 \times 4, 16 \times 3, 24 \times 2, 48 \times 1$
5)	1, 2, 5, 10, 25, 50
6)	Multiple
7)	24, 48, 72, 96, 120
8)	70
9)	$99999 = 3 \times 3 \times 41 \times 271$
10)	$1 \times 88, 2 \times 44, 4 \times 22, 8 \times 11, 11 \times 8, 22 \times 4, 44 \times 2, 88 \times 1$ a) Yes b) Yes

FUN FACT

1. All composite numbers have more than two factors.
2. There are infinite number of multiples of any given number.
3. Prime numbers have only two factors, 1 and that number itself.

