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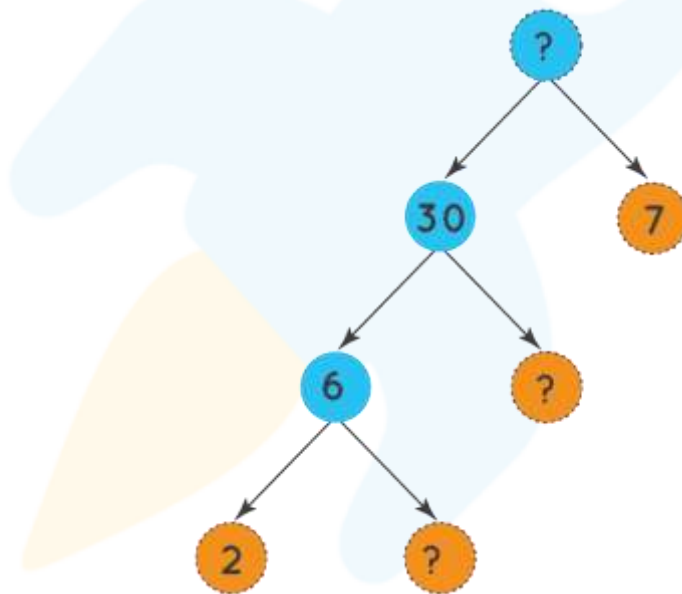
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FACTORS WORKSHEET - 2

- 1) Fill in the blank in the factors of 16; 1, 2, 4, ___, and 16
- 2) Which of the following is not a factor of 42?
1, 2, 3, 6, 7, 14, 16, 21, and 42
- 3) Fill in the blanks in the prime factorization form of 48:
 $48 = 2^4 \times _1$
- 4) Complete the factor tree shown below.



- 5) Fill in the blank:
If $17 \times 20 = 340$, then 17 and 20 are the _____ of 340.
- 6) Which of the following is the prime factorization form of 720
a) $2^4 \times 3^3 \times 5^2$
b) $2^4 \times 3^3 \times 5$
c) $2^4 \times 3^2 \times 5^2$
d) $2^4 \times 3^2 \times 5$

7) State true or false

- a) The only common factor of 19 and 23 is 1.
- b) A number can have infinite number of factors.

8) Miss Lily organized a zoo trip for her students. There are a total of 64 students. She divides students into number of groups. Find the number of groups, if the number of groups is equal to the number of students in each group.



9) Which of the following numbers is/are the factors of 33

- a) 9
- b) 6
- c) 11
- d) 3

10) Find all the numbers that are the factors of both 48 and 66.

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- Gary Schwartz

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- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

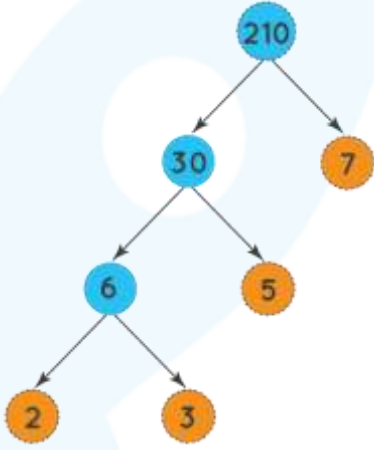
- Barbara Cabrera

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ANSWERS

1)	8
2)	16
3)	3
4)	
5)	factors
6)	d)
7)	a) True b) False
8)	8
9)	c) and d)
10)	1, 2, 3, and 6

FUN FACT

Prime numbers are having only two factors 1 and the number itself.

All the factors of a number are always less than or equal to the number.

Factors of two or more numbers are used to calculate their HCF.

