

1. Write all the factors of each number

a. 12

b. 18

c. 45

d. 50

e. 54

f. 70

g. 128

h. 135

2.

a. Which number is a factor of all other numbers?

b. Which two numbers are factors of all even numbers?

c. Which numbers must be factors of all number with a last digit is 5?

d. Which numbers must be factors of all numbers with a last digit of 0?

e. What type of number has an odd number of factors?

3. Given the factors of a number are written in order, find the missing values

a. 1, , 3, 5, , , 15,

b. 1, 2, , , 22,

c. 1, , 4, 5, , 10, ,

d. , , 7, , 21,

e. 1, 2, 3, , , 6, , , , , , 24, , , ,

4. Write down all the common factors of the numbers

a. 15 and 25

b. 8 and 20

c. 16 and 36

d. 24 and 42

e. 16 and 48

f. 66 and 90

5. Find the highest common factor for each set of numbers

a. 10 and 35

b. 16 and 28

c. 21 and 56

d. 18 and 90

e. 12 and 54

f. 150 and 200

g. 8, 12 and 16

h. 18, 27 and 42

i. 30, 60 and 150

j. $6xy$ and $8x^2$

k. $10ab^2$ and $20a^2$

l. $15ef^2$ and $25e^2f$

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a- 15 and 25 b- 8 and 20 c- 16 and 36 d- 24 and 42 e- 16 and 48 f- 66 and 90

5- Find the highest common factor for each set of numbers

a- 10 and 35 b- 16 and 28 c- 21 and 56 d- 18 and 90 e- 12 and 54 f- 150 and 200

g- 8, 12 and 16 h- 18, 27 and 42 i- 30, 60 and 150 j- $6xy$ and $8x^2$ k- $10ab^2$ and $20a^2$ l- $15ef^2$ and $25e^2f$

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