**Prime Factors and Factor Trees**

By drawing factor trees, write the following numbers as a product of their prime factors.

(a) 15 (b) 22

(c) 28 (d) 24

(e) 32 (f) 42

(g) 50 (h) 54

(i) 60 (j) 75

(k) 80 (l) 100

As a product of its primes, what number is given by:

(a)

(b)

(c)

(d)

For each of these numbers, draw a factor tree and write as a product of its prime factors.

(a) 4 (b) 9

(c) 16 (d) 25

(e) 36 (f) 81

What do you notice?

As a product of its prime factors, . How could you use this information to find all the factors of 120, making sure you do not miss any factor pairs?

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