**Prime Factors and Factor Trees**

Write each of these numbers as a product of its prime factors:

(a) 6 (b) 8 (c) 15

(d) 12 (e) 14 (d) 20

Complete these factor trees:

(a) (b)

By drawing a factor tree, write each of these numbers as a product of its prime factors:

(a) 56 (b) 60

(c) 75 (d) 78

(e) 80 (f) 115

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

(a) $2×5×11$

(b) $3×3×5$

(c) $2×5×7$

(d) $2×2×3×3×5$

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

(a) 9 (b) 25 (c) 36

What do you notice?

As a product of its prime factors, $120=2×2×2×3×5$. How could you use this information to find all the factors of 120?

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