**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) $2×5×11$

(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) 4 (b) 9

(c) 16 (d) 25

(e) 36 (f) 81

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, making sure you do not miss any factor pairs?

**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) $2×5×11$

(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) 4 (b) 9

(c) 16 (d) 25

(e) 36 (f) 81

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, making sure you do not miss any factor pairs?