

Algebra Expressions * Activity 1 A**
Evaluation of Simple Algebraic Expression
(The Symbol $\sqrt{\quad}$ means Square Root!)

$$N = 12 + M/2$$
$$M = 6 \quad N = \underline{15}$$

$$Q = P/2 - 4$$
$$P = 8 \quad Q = \underline{0}$$

$$J = 18/I + 3$$
$$I = 9 \quad J = \underline{5}$$

$$L = 15 - 21/K$$
$$K = 7 \quad L = \underline{12}$$

$$F = 20 - 3E$$
$$E = 4 \quad F = \underline{8}$$

$$H = 16 + 5G$$
$$G = 1 \quad H = \underline{21}$$

$$B = 2A + 3$$
$$A = 5 \quad B = \underline{13}$$

$$D = 4C - 5$$
$$C = 3 \quad D = \underline{7}$$

$$R = \sqrt{M} + P$$
$$M = 49 \quad P = 4 \quad R = \underline{11}$$

$$I = \sqrt{G} + H$$
$$G = 64 \quad H = 5 \quad I = \underline{13}$$

$$D = A^1 - B$$
$$A = 4 \quad B = 2 \quad D = \underline{2}$$

$$Z = X^0 + W$$
$$W = 3 \quad X = 5 \quad Z = \underline{4}$$

$$S = T - \sqrt{U}$$
$$U = 36 \quad T = 9 \quad S = \underline{3}$$

$$M = L + \sqrt{K}$$
$$K = 16 \quad L = 3 \quad M = \underline{7}$$

$$Q = Z^2 - Y$$
$$Z = 3 \quad Y = 4 \quad Q = \underline{5}$$

$$F = N + A^3$$
$$N = 8 \quad A = 2 \quad F = \underline{16}$$

Algebra Expressions * Activity 1 B**
Evaluation of Simple Algebraic Expression

Distance = Rate x Time

$$D = R \times T$$

$$D = \underline{180\text{miles}} \quad R = 60\text{mph} \quad T = 3\text{hrs}$$

$$D = R \times T$$

$$D = \underline{70\text{miles}} \quad R = 35\text{mph} \quad T = 2\text{hrs}$$

Distance = Rate x Time

$$D = R \times T$$

$$D = 90\text{miles} \quad R = \underline{45\text{mph}} \quad T = 2\text{hrs}$$

$$D = R \times T$$

$$D = 100\text{miles} \quad R = 25\text{mph} \quad T = 4\text{hrs}$$

Interest = Principal x Rate x Time

$$I = P \times R \times T$$

$$I = \$54 \quad P = \$300 \quad R = 3\% \quad T = 6\text{yrs}$$

$$I = P \times R \times T$$

$$I = \underline{\$800} \quad P = \$5000 \quad R = 8\% \quad T = 2\text{yrs}$$

Interest = Principal x Rate x Time

$$I = P \times R \times T$$

$$I = \$126 \quad P = \$700 \quad R = 6\% \quad T = \underline{3\text{yrs}}$$

$$I = P \times R \times T$$

$$I = \$480 \quad P = \$4000 \quad R = \underline{3\%} \quad T = 4\text{yrs}$$

Fahrenheit (32⁰ & 212⁰) & Celsius (0⁰ & 100⁰)

$$F = 9/5C + 32^0$$

$$C = 25^0$$

$$F = \underline{77^0}$$

$$F = 9/5C + 32^0$$

$$C = 65^0$$

$$F = \underline{149^0}$$

Fahrenheit (32⁰ & 212⁰) & Celsius (0⁰ & 100⁰)

$$C = 5/9(F - 32^0)$$

$$F = 41^0$$

$$C = \underline{5^0}$$

$$C = 5/9(F - 32^0)$$

$$F = 59^0$$

$$C = \underline{15^0}$$

Savings = (Principal) + (Interest)

$$S = P + I$$

$$I = P \times R \times T$$

$$S = P + I$$

$$I = P \times R \times T$$

$$S = \underline{\$460} \quad P = \$400 \quad R = 5\% \quad T = 3\text{yrs}$$

$$S = \underline{\$3240} \quad P = \$3000 \quad R = 4\% \quad T = 2\text{yrs}$$

Savings = (Principal) + (Interest)

$$S = P + I$$

$$I = P \times R \times T$$

$$S = P + I$$

$$I = P \times R \times T$$

$$S = \underline{\$256} \quad P = \$200 \quad R = 7\% \quad T = 4\text{yrs}$$

$$S = \underline{\$1150} \quad P = \$1000 \quad R = 3\% \quad T = 5\text{yrs}$$