

## 1.4 Tables of Related Values

Row-to-row relationships

1.

Bonus (B)	\$100	\$120	\$160	\$175	\$180	\$190	\$200
Salary (S)	\$300	\$320	\$360	\$375	\$380	\$390	\$400

\* The pattern is add 200 to 1<sup>st</sup> row

a. Express the relationship between the quantities in words.

The salary (S) is equal to the bonus (B) plus 200.

b. Write as a formula.

$$S = B + 200$$

c. Fill in the missing numbers.

\* Use the formula

$$B = 175$$

$$S = B + 200$$

$$S = 175 + 200$$

$$S = 375$$

2.

People (p)	4	5	6	7	8	10	50
Hot dogs (H)	8	10	12	14	16	20	100

Pattern is 2 times top row

a. Express the relationship between the quantities in words.

The hot dogs (H) is equal to twice the people (p).

b. Write as a formula.

$$H = 2p$$

c. Fill in the missing numbers. \* use formula

$$H = 2p \text{ for } p = 7$$

$$2(7)$$

$$14$$

3.

Candy bars (b)	5	6	7	8	10	12	15
Cost (C)	\$3.00	\$3.60	\$4.20	\$4.80	\$6.00	\$7.20	\$9.00

Pattern is multiply .60 times top row

a. Express the relationship between the quantities in words.

The Cost (C) is equal to 0.60 times the number of candy bars (b).

b. Write as a formula.

$$C = 0.60b$$

c. Fill in the missing numbers.

\* Use the formula

# HOMEWORK

Worksheet HW 1.4 Tables of Values