

AREA OF A SQUARE

1. Find the area of a square whose width is 2.2in.

$$2.2 \times 2.2 = 4.84\text{in}^2$$

2. Find the area of a square whose width is 3.1in.

$$3.1 \times 3.1 = 9.61\text{in}^2$$

3. Find the area of a square whose width is 8in.

$$8 \times 8 = 64\text{in}^2$$

4. Find the area of a square whose width is 0.4in.

$$0.4 \times 0.4 = 0.16\text{in}^2$$

5. Find the area of a square whose width is 7.4in.

$$7.4 \times 7.4 = 54.76\text{in}^2$$

AREA OF A RECTANGLE

1. Find the area of a rectangle whose length is 2.2in and width is 0.3in.

$$2.2 \times 0.3 = 0.66\text{in}^2$$

2. Find the area of a rectangle whose length is 6in and width is 0.6in.

$$6 \times 0.6 = 3.6\text{in}^2$$

3. Find the area of a rectangle whose length is 3.1in and width is 3.2in.

$$3.1 \times 3.2 = 9.92\text{in}^2$$

*4. Find the LENGTH of a rectangle whose WIDTH is 7in and AREA is 56in².

$$7 \times L = 56\text{in}^2$$

$$7l = 56$$

$$\frac{7l}{7} = \frac{56}{7}$$

$$l = 8\text{in}$$

*5. Find the WIDTH of a rectangle whose LENGTH is 0.3in and AREA is 2.73in².

$$0.3 \times W = 2.73\text{in}^2$$

$$0.3w = 2.73$$

$$\frac{0.3w}{0.3} = \frac{2.73}{0.3}$$

$$w = 9.1\text{in}$$

AREA OF A TRIANGLE

1. Find the area of a triangle whose height is 66in and base is 0.2in.

$$A = \frac{1}{2}bh$$

$$A = \frac{1}{2}(0.2)(66)$$

$$A = (0.1)(66)$$

$$A = 6.6in^2$$

2. Find the area of a triangle whose height is 32in and base is 3.2in.

$$A = \frac{1}{2}bh$$

$$A = \frac{1}{2}(3.2)(32)$$

$$A = (1.6)(32)$$

$$A = 51.2in^2$$

3. Find the area of a triangle whose height is 18in and base is 4in.

$$A = \frac{1}{2}bh$$

$$A = \frac{1}{2}(4)(18)$$

$$A = (2)(18)$$

$$A = 36in^2$$

*4. Find the BASE of a triangle whose height is 8in and area is 8in².

$$A = \frac{1}{2}bh$$

$$8 = \frac{1}{2}b(8)$$

$$8 = 4b$$

$$\frac{8}{4} = \frac{4b}{4}$$

$$2in = b$$

*5. Find the HEIGHT of a triangle whose BASE is 12in and area is 0.3in².

$$A = \frac{1}{2}bh$$

$$0.3 = \frac{1}{2}(12)(h)$$

$$0.3 = 6h$$

$$\frac{0.3}{6} = \frac{6h}{6}$$

$$0.05in = h$$

AREA OF A PARALLELOGRAM

1. Find the area of a parallelogram whose height is 2.2in and base is 6in.

$$2.2 \times 6 = 13.2\text{in}^2$$

2. Find the area of a parallelogram whose height is 3in and base is 1.7in.

$$3 \times 1.7 = 5.1\text{in}^2$$

3. Find the area of a parallelogram whose height is 9in and base is 8.8in.

$$9 \times 8.8 = 79.2\text{in}^2$$

*4. Find the BASE of a parallelogram whose height is 6in and area is 36in².

$$A = bh$$

$$36 = b(6)$$

$$\frac{36}{6} = \frac{b(6)}{6}$$

$$6\text{in} = b$$

*5. Find the HEIGHT of a parallelogram whose BASE is 7in and area is 4.2in².

$$A = bh$$

$$4.2 = 7h$$

$$\frac{4.2}{7} = \frac{7h}{7}$$

$$0.6\text{in} = h$$

AREA OF A TRAPEZOID

1. Find the area of a trapezoid whose height is 2.2in, base₁ is 6in and base₂ is 7in.

$$A = \frac{1}{2}h(b_1 + b_2)$$

$$A = \frac{1}{2}(2.2)(6 + 7)$$

$$A = \frac{1}{2}(2.2)(13)$$

$$A = 1.1(13)$$

$$A = 14.3in^2$$

2. Find the area of a trapezoid whose height is 3in, base₁ is 17in and base₂ is 3.2in.

$$A = \frac{1}{2}h(b_1 + b_2)$$

$$A = \frac{1}{2}(3)(17 + 3.2)$$

$$A = \frac{1}{2}(3)(20.2)$$

$$A = 3(10.1)$$

$$A = 30.3in^2$$

3. Find the area of a trapezoid whose height is 9in, base₁ is 8in and base₂ is 0.8in.

$$A = \frac{1}{2}h(b_1 + b_2)$$

$$A = \frac{1}{2}(9)(8 + 0.8)$$

$$A = \frac{1}{2}(9)(8.8)$$

$$A = (9)(4.4)$$

$$A = 39.6in^2$$

*4. Find the HEIGHT of a trapezoid whose AREA is 90in², base₁ is 35in and base₂ is 55in.

$$A = \frac{1}{2}h(b_1 + b_2)$$

$$90 = \frac{1}{2}(h)(35 + 55)$$

$$90 = \frac{1}{2}(h)(90)$$

$$90 = 45h$$

$$\frac{90}{45} = \frac{45h}{45}$$

$$2in = h$$

*5. Find the BASE₁ of a trapezoid whose AREA is 50in², height is 10in and base₂ is 8in.

$$A = \frac{1}{2}h(b_1 + b_2)$$

$$50 = \frac{1}{2}(10)(b_1 + 8)$$

$$50 = 5(b_1 + 8)$$

$$\frac{50}{5} = \frac{5(b_1 + 8)}{5}$$

$$10 = b_1 + 8$$

$$10 - 8 = b_1 + 8 - 8$$

$$2 = b_1$$

