

$$160 = 2w + 2(3\frac{1}{2}w)$$

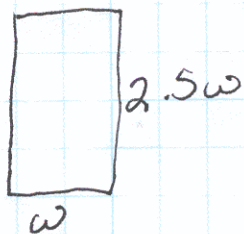
$$160 = 2w + 7w$$

$$160 = 9w \quad w = 17\frac{7}{9} \text{ in.}$$

$$l = 3\frac{1}{2} \cdot 17\frac{7}{9} = 62\frac{2}{9}$$

$$A = 17\frac{7}{9} (62\frac{2}{9})$$

$$1106\frac{1}{9}$$



$$P = 29.4 = 2w + 2(2.5w)$$

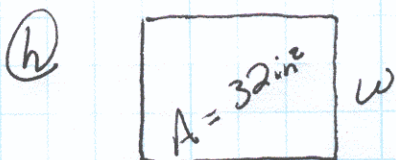
$$29.4 = 2w + 5w$$

$$29.4 = 7w$$

$$4.2 = w$$

$$A = l \cdot w = 2.5w \cdot w = 2.5 \cdot 4.2 \cdot 4.2$$

$$A = 44.1 \text{ cm}^2$$



$$2w \cdot w = 32$$

$$w^2 = 16$$

$$2w$$

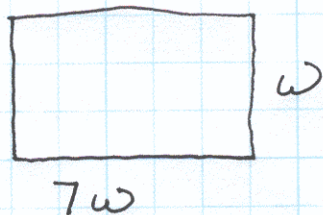
Think: what squared is 16? $w = 4$ in

$$\text{length} = 2 \cdot 4 = 8 \text{ in}$$

$$P = 2l + 2w = 2(8) + 2(4) = 24 \text{ in}$$

$$24 \text{ in}$$

w could be -4 but that would be silly because it's a length



$$A = l \cdot w \quad 63 = 7w \cdot w$$

$$9 = w^2$$

$$3 = w$$

width is 3 ft length is 21 ft

$$P = 2l + 2w = 2(21) + 2(3)$$

$$48 \text{ ft}$$