

Worksheet 13

$$12) \frac{m}{\pi} = 7.2$$

$$\left(\frac{\pi}{1}\right) \frac{m}{\pi} = 7.2 \left(\frac{\pi}{1}\right)$$

$$m = 7.2\pi$$

$$\frac{m}{\pi} = 7.2$$

$$\frac{m}{\pi} = 7.2$$
$$m = 7.2\pi$$

$$14) \quad \frac{3}{2} = \frac{9}{10} k$$
$$\frac{9}{10} \quad \frac{9}{10}$$

$$\left(\frac{3}{2}\right)\left(\frac{10}{9}\right) = k$$

$$\frac{30}{18} = k$$

$$\frac{5}{3} = k$$

$$\frac{3}{2} = \frac{9}{10} k$$
$$\therefore \frac{30}{18} = \frac{18k}{18}$$
$$\frac{5}{3} = k$$

16) 5 frames

a)  $65 - x = 8$

$$x + 8 = 65$$

$$x = 57$$

b) 10 frames

~~10~~  $75 = 130$   
 $75 = 137$

Friend Score 65

$x =$  Your Score is 8 less

$$65 - 8 = 57$$

$$65 - 8 = x$$

Friend Score  $(65)(2)$

$x =$  Your Score  $57 + 80$

18) Crew removes 2.5 miles per day  
Total miles of Algae 12.5 miles

$$\text{ex) } 2.5 + 2.5 = 5 + 2.5 = 7.5 + 2.5 = 10 + 2.5 = 12.5$$

5 days

$$\text{ex) } 12.5 \div 2.5 = 5 \text{ days}$$

$$\text{ex) } \frac{2.5(x)}{2.5} = \frac{12.5}{2.5}$$
$$x = 5$$

$$19) \quad -3 = h + \underline{8 \div 2}$$

$$\begin{array}{r} -3 = h + 4 \\ -4 \quad \quad -4 \end{array}$$

---

$$-7 = h$$

$$h = -7$$

$$20) \quad 12 = w - \underline{|-7|}$$

$$12 = w - (+7)$$

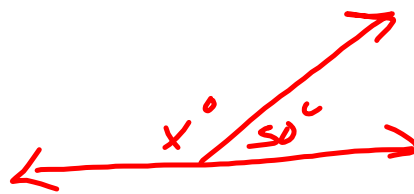
$$12 = w - 7$$

$$19 = w$$

$$12 = w - \underline{|2-9|}$$

$$12 = w - |-7|$$

25)



$$x^\circ + 50^\circ = 180^\circ$$

$$x^\circ = 130^\circ$$

27) \$90 to paint 3 people painting

Ratio 2:3:5

paid per hour

$$\underline{2x} + \underline{3x} + \underline{5x} = 90$$

$$10x = 90$$

$$x = 9$$

$$2(9) = 18 \quad 3(9) = 27 \quad 5(9) = 45$$