

You bought a mobile kit. You read on the package that the weight of the entire mobile is 40 oz. Each inch of the crossbar weighs 1 oz. What is the weight of each shape?

2) 
$$\sqrt{(J-3)} = 2J$$
  
 $\sqrt{J-12} = 2J$   
 $-4J$   
 $-12 = -2J$   
 $-2$   
 $-2$   
 $-2$   
 $-2$ 

4) 
$$3(2c+1)-c=13$$
  
 $6c+3-c=13$   
 $-3$   
 $6c-c=10$   
 $5c=10$   
 $5$ 

5. Lisa and Beth have babysitting jobs. Lisa earns \$30 per week and Beth earns \$25 per week. How many weeks will it take them to earn a total of \$275. Write and solve.

30w + 25w = 275

 $\frac{55W=275}{55}$  Weeks to earn W=5

6. What two consectutive numbers have a sum of 53?

$$|st \pm \pm x = 26$$

$$2nd \pm x + 127$$

1st 
$$\pm = x = 26$$
  
 $2nd \pm = x + 1(27)$   
 $2x + 1 = 53$   
 $2x + 1 = 53$   
 $2x - 52$   
 $2x - 26$ 

Solve for y.  
8) 
$$(\frac{3}{3}(y+2)=9)$$
 7 9)  $(\frac{3y-1}{2}=m)$  2  
 $3(y+2)=79$   $3y-1=2m+1$   
 $3y+6=79$   
 $-6$   $-6$   $3y=2m+1$   
 $3y=79-6$   $y=\frac{79}{3}$   $y=\frac{79}{3}$   $y=\frac{2}{3}m+\frac{1}{3}$