


Equations for Mobiles


NCTM Standards 1, 2, 7, 8, 9


Write an equation to describe each mobile.

 weight = t

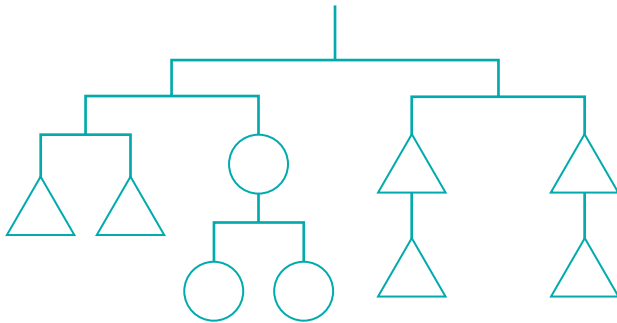
 weight = c

 weight = r

 weight = p

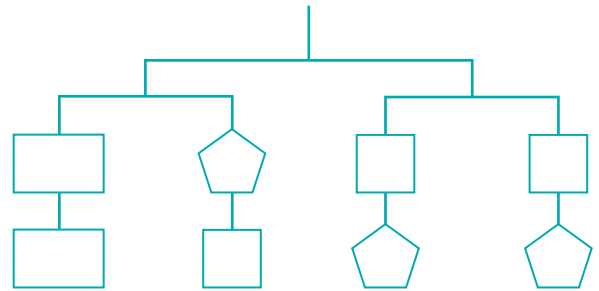
 weight = s

1 Total Weight: 48



Equation: _____

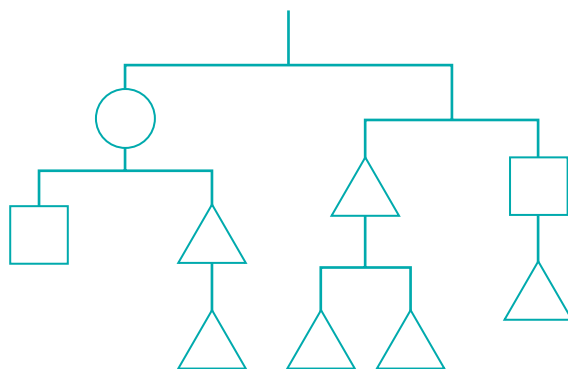
2 Total Weight: 24





Equation: _____

3 Write three equations that describe the mobile and find the weight of each shape.

Total Weight: 48

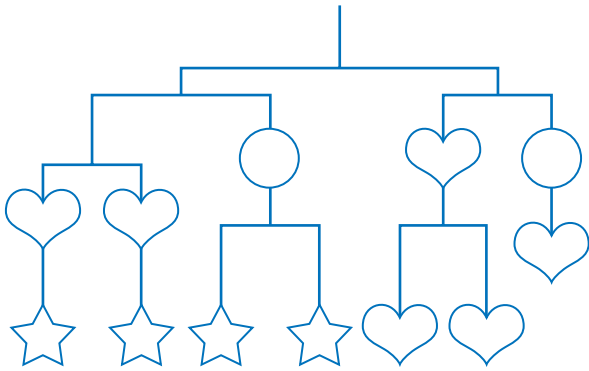


Equations:

 = _____  = _____
 = _____

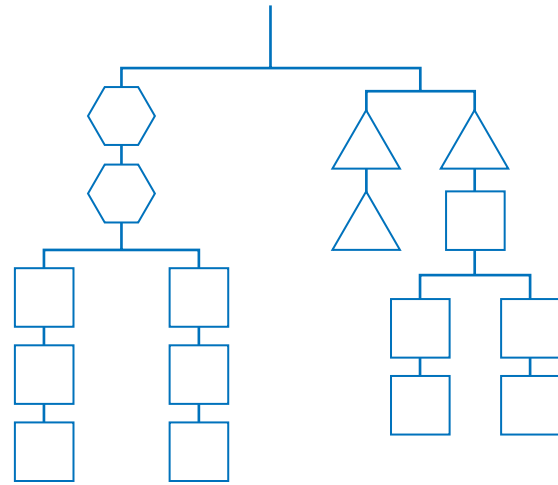
Find the weight of each shape.

4 Total Weight: 48



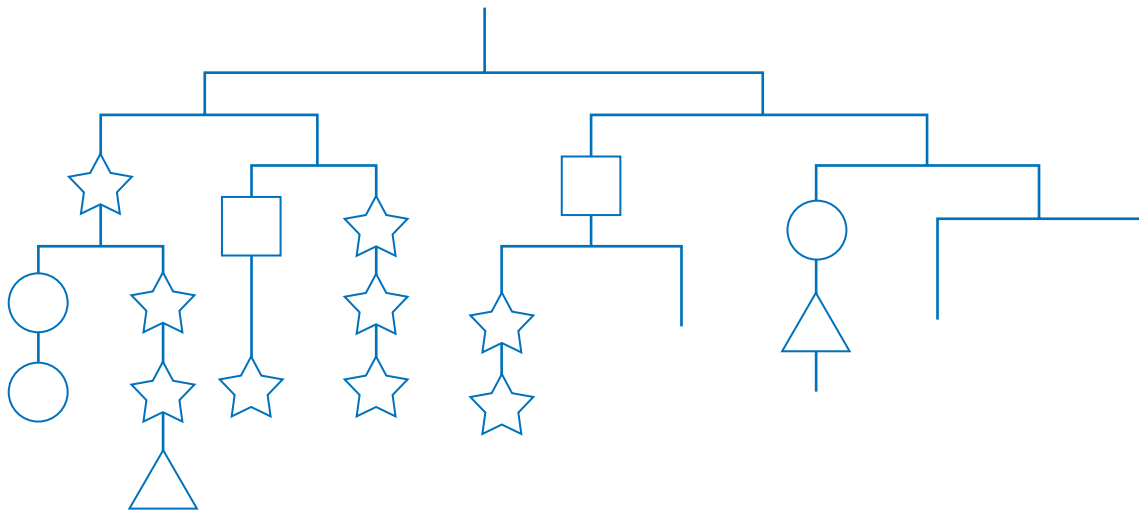
$\bigcirc = \underline{\quad}$
 $\heartsuit = \underline{\quad}$
 $\star = \underline{\quad}$

5 Total Weight: 40



$\triangle = \underline{\quad}$
 $\square = \underline{\quad}$
 $\hexagon = \underline{\quad}$

6 Challenge Find the weight of each shape, and then complete this mobile so it balances and its total weight is 96.



$\square = \underline{\quad}$ $\bigcirc = \underline{\quad}$ $\star = \underline{\quad}$ $\triangle = \underline{\quad}$