

Testing Equations

The cost of the apples depends on *how many apples you want to buy*. Since we are making our own formula or **equation**, we need something to **represent** the number of apples. Let's use the letter *a* for cost and *n* for number of apples. Then:

$$\text{cost of apples} = \frac{4}{3} \times \text{number of apples}$$

or

$$a = \frac{4}{3} \times n$$

Test our new equation by plugging in different values for *n*. Does it match our **proportion** work from earlier?

Record your full solutions in the space provided.

Number of apples (<i>n</i>)	Cost (<i>a</i>)
6	
15	
18	