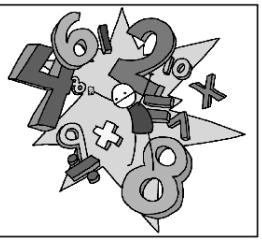
MODULE 3

Proportional Relationships

You can solve problems about real-world proportional relationships by analyzing tables, equations, and graphs that represent them.



Learning Target _____

_____

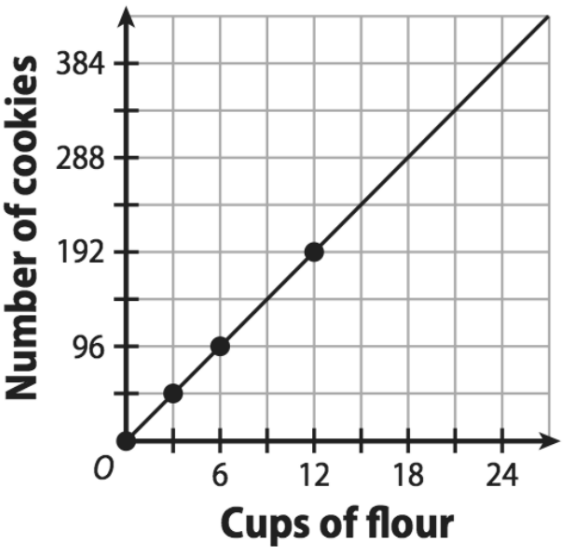
_____

1. Nico earns $12.50 per hour as a math tutor. Show that the relationship between the amount he earns and the number of hours he tutors is a proportional relationship. Then write the equation for the relationship.

Unit Rate _____

Equation _____

2. The graph shows the relationship between the number of cups of flour and the number of cookies made. Write an equation for the proportional relationship.



Unit Rate _____

Equation _____

3. The table shows a proportional relationship. Write an equation that describes the relationship.

Acres	5	8	15
Bushels of wheat	140	224	420

Unit Rate _____

Equation _____

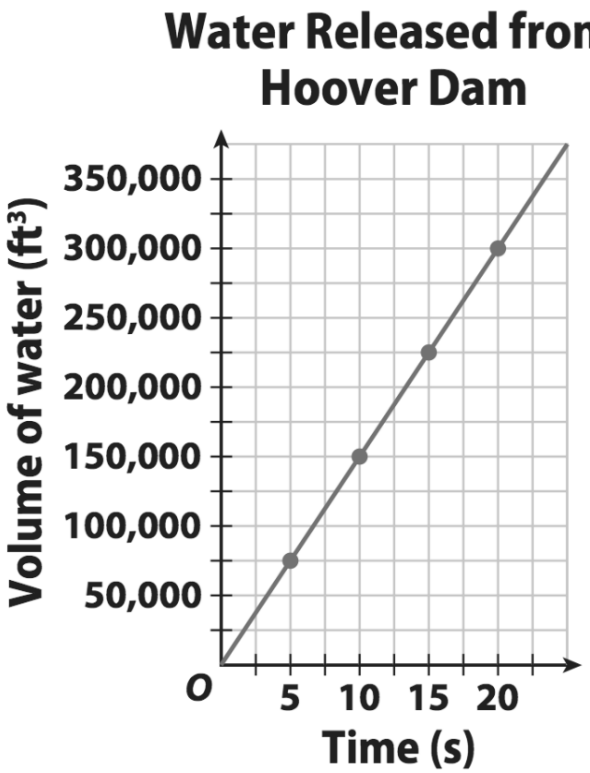
4.

Water Released from Hoover Dam	
Time (s)	Volume of water (ft^3)
5	75,000
10	150,000
15	225,000
20	300,000

Unit Rate _____

Equation _____

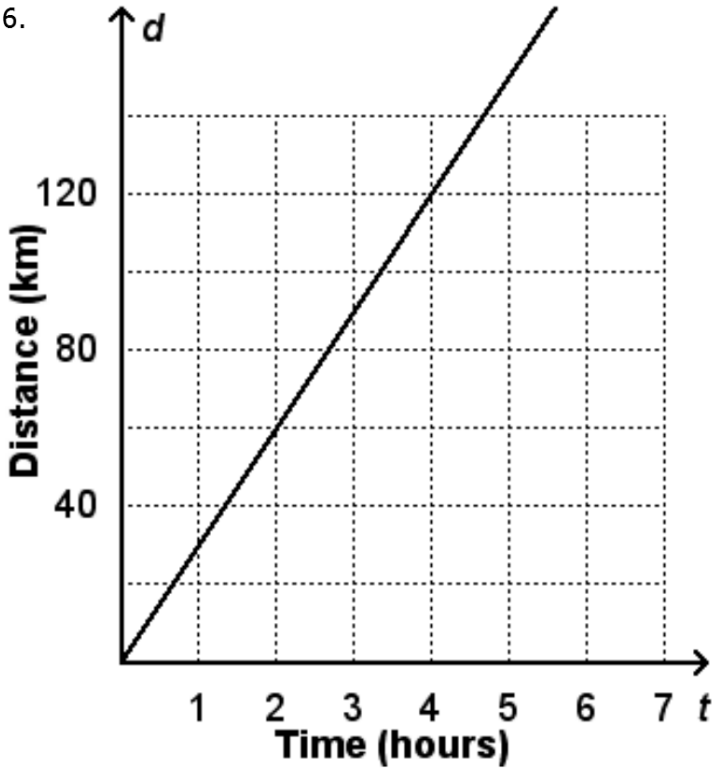
5.



Unit Rate _____

Equation _____

6.



Unit Rate _____

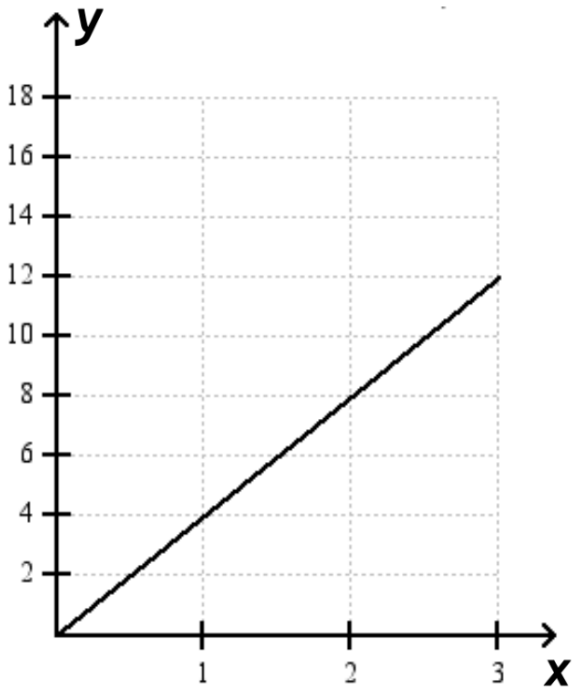
Equation _____

7.

Time (minutes)	Cost (dollars)
2	0.24
5	0.60
10	1.20
30	3.60

Unit Rate _____ Equation _____

8. Before finding both the unit rate and equation, come up with your own units to use in this situation. What do x and represent?

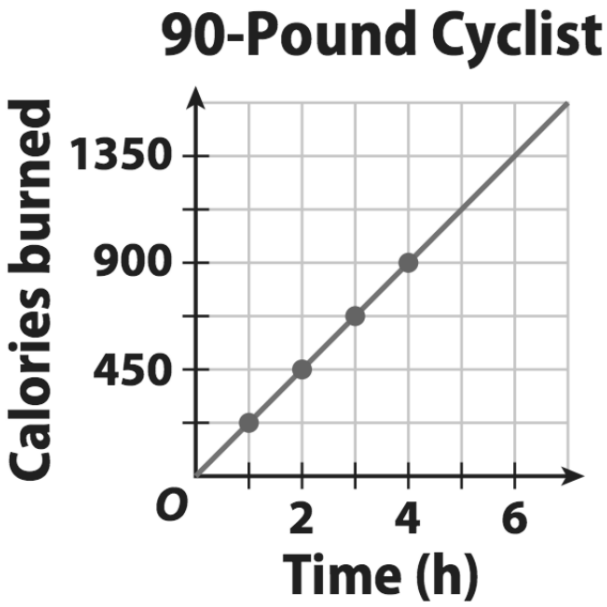


Unit Rate _____

Equation _____

Activity The table and graph show values representing a proportional relationship. Use the graph labels to describe the proportional relationship.

Hours				
Calories burned				



Unit Rate _____ Equation _____