

**Unit Rate, Equations- Extra Practice**

Name: \_\_\_\_\_ Period: \_\_\_\_\_

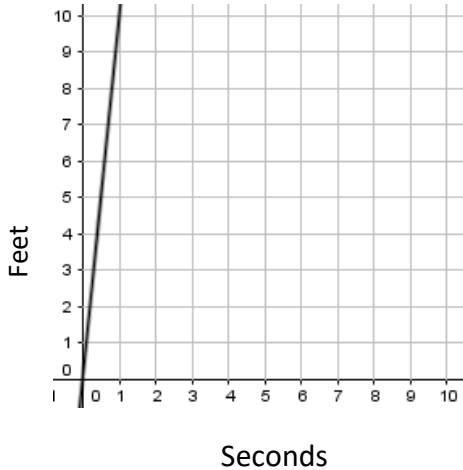
1. Jacky wants to spend \$12 on a 8-kg bag of mangos.

Unit Rate Equation: \_\_\_\_\_  
How much would it cost to buy 4-kg of mangos?

2. Maddi is traveling 90 miles in 1.5 hours.

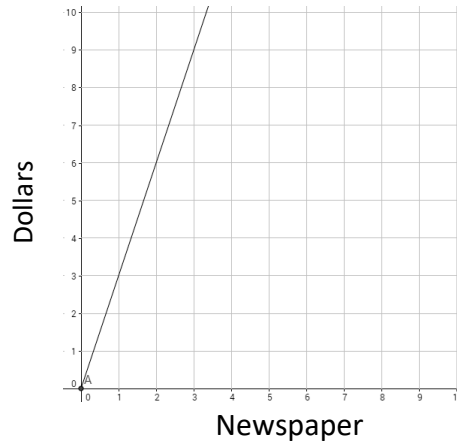
Unit Rate Equation: \_\_\_\_\_  
How far can she travel in 4 hours?

- 3.



Unit Rate Equation: \_\_\_\_\_  
How far can you do in 5 seconds?

- 4.



Unit Rate Equation: \_\_\_\_\_  
How much will it cost to buy 25 newspapers?

5. Nathan made a phone call that costs \$7 for 2 minutes.

Unit Rate Equation: \_\_\_\_\_  
How much will it cost if he talks on the phone for 24 minutes?

6. Patty spent \$18 for 9 boxes of pencils.

Unit Rate Equation: \_\_\_\_\_  
How much will it cost to buy 50 boxes of pencils?

- 7.

Game (x)	Points (y)
2	20
4	40
6	60
8	80

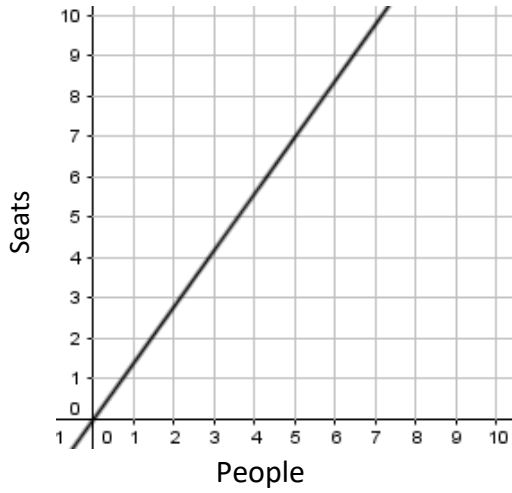
Unit Rate Equation: \_\_\_\_\_  
How many points will you score after 5 games?

- 8.

People (x)	Hats (y)
3	45
6	90
9	135
10	150

Unit Rate Equation: \_\_\_\_\_  
If there are 19 people, how many hats are there?

9.

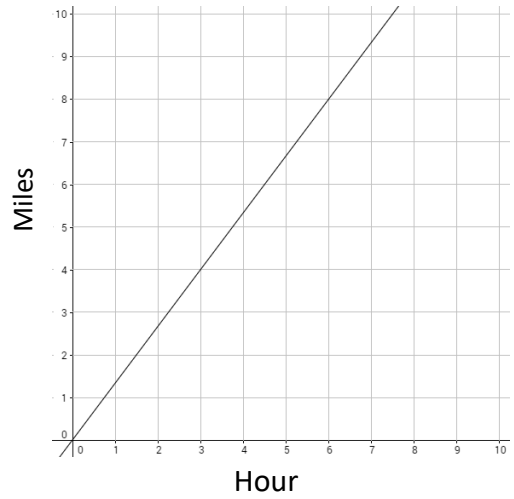


Unit Rate Equation:

\_\_\_\_\_

How many seats are there if there are 10 people?

10.



Unit Rate Equation:

\_\_\_\_\_

How far can they travel in 13 hours?

11.

Teachers(x)	Students(y)
15	450
30	900
45	1350
60	1800

Unit Rate Equation:

\_\_\_\_\_

If there are 12 teachers, how many students are there?

12.

House(x)	Pets(y)
12	24
1	2
3	6
4	8

Unit Rate Equation:

\_\_\_\_\_

If there are 7 houses, how many pets are there?

Unit Rate, Equations- Extra Practice

Name: Key Period: \_\_\_\_\_

1. Jacky wants to spend \$12 on a 8-kg bag of mangos.

$$\frac{\$12}{8 \text{ kg}} = 1.5 / \text{kg}$$

Unit Rate Equation:  $y = 1.5x$

How much would it cost to buy 4-kg of mangos?

$$y = 1.5(4) = \$6$$

2. Maddi is traveling 90 miles in 1.5 hours.

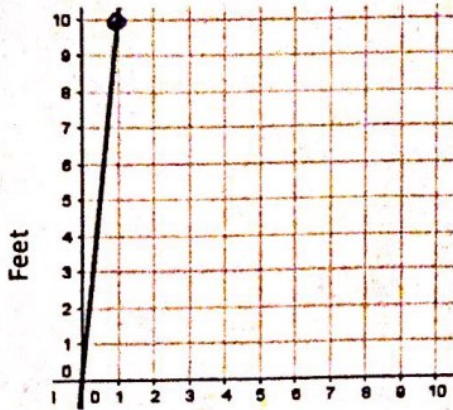
$$\frac{90}{1.5} = 60$$

Unit Rate Equation:  $y = 60x$

How far can she travel in 4 hours?

$$y = 60(4) = 240 \text{ miles}$$

- 3.



Seconds

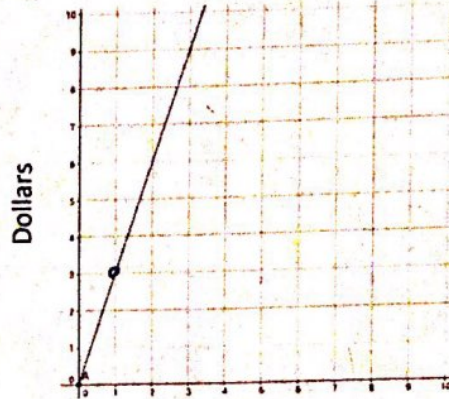
$$\frac{10}{1}$$

Unit Rate Equation:  $y = 10x$

How far can you do in 5 seconds?

$$y = 10(5) = 50 \text{ ft}$$

- 4.



Newspaper

$$\frac{3}{1}$$

Unit Rate Equation:  $y = 3x$

How much will it cost to buy 25 newspapers?

$$y = 3(25) = \$75$$

5. Nathan made a phone call that costs \$7 for 2 minutes.

$$\$7 / 2 \text{ min}$$

Unit Rate Equation:  $y = \frac{7}{2}x$

How much will it cost if he talks on the phone for 24 minutes?

$$y = \frac{7}{2}(24) = \$84$$

6. Patty spent \$18 for 9 boxes of pencils.

$$\frac{\$18}{9} = \$2$$

Unit Rate Equation:  $y = 2x$

How much will it cost to buy 50 boxes of pencils?

$$y = 2(50) = \$100$$

- 7.

Game (x)	Points (y)
2	20
4	40
6	60
8	80

$$\frac{20}{2} = 10$$

Unit Rate Equation:

$$y = 10x$$

How many points will you score after 5 games?

$$y = 10(5) = 50 \text{ points}$$

- 8.

People (x)	Hats (y)
3	45
6	90
9	135
10	150

$$\frac{45}{3} = 15$$

Unit Rate Equation:

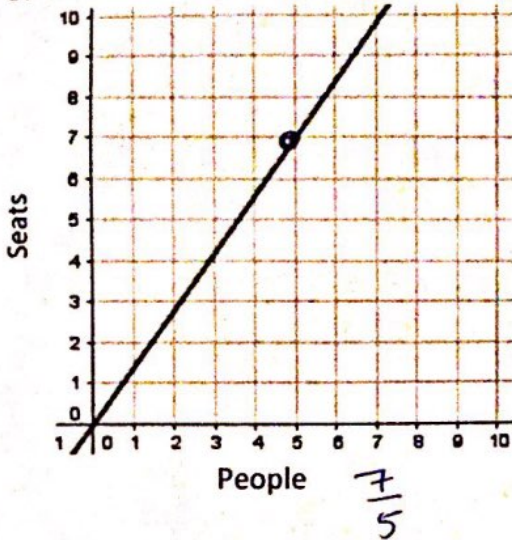
$$y = 15x$$

If there are 19 people, how many hats are there?

$$y = 15(19) = 285 \text{ hats}$$



9.



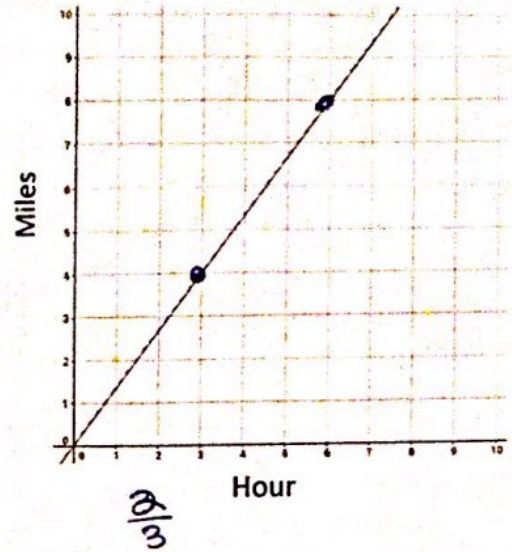
Unit Rate Equation:

$$y = \frac{7}{5}x$$

How many seats are there if there are 10 people?

$$y = \frac{7}{5}(10) = 14 \text{ seats}$$

10.



Unit Rate Equation:

$$y = \frac{2}{3}x$$

How far can they travel in 13 hours?

$$y = \frac{2}{3}(13) = \frac{26}{3} = 8.7 \text{ miles}$$

11.

Teachers(x)	Students(y)
15	450
30	900
45	1350
60	1800

Unit Rate Equation:

$$y = 30x$$

If there are 12 teachers, how many students are there?

$$y = 30(12) = 360 \text{ students}$$

12.

House(x)	Pets(y)
12	24
1	2
3	6
4	8

Unit Rate Equation:

$$y = 2x$$

If there are 7 houses, how many pets are there?

$$y = 2(7) = 14 \text{ pets}$$