

Solve. Show all the work.

- 20) Four cans of paint cost \$30. How much will six cans of paint cost?
- 21) Eight boxes cost \$3. How much will twenty boxes cost?
- 22) Six grapefruits cost \$1.92. What is the unit rate?
- 23) Three tickets to a track meet cost \$15.90. How many can you buy for \$26.50?
- 24) A rug 4m wide and 5m long costs \$132. How much would a 3m by 4m rug of the same material cost?
- 25) Three loaves of bread cost \$2.67. What is the unit rate?

26) Which is the better buy?

A) A 20-oz. can of pineapple for \$0.90

B) A 24-oz. can of pineapple for \$1.05

27) Which is the better buy?

A) A 25-pound crate of oranges for \$16.

B) A 20-pound crate of oranges for \$13.50.

28) Which of the following tables represents a proportional relationship?

A)

4	6	12
2	3	8

B)

0	1	2
3	4	5

C)

2	6	10
5	15	25

D)

3	4	6
4	5	7

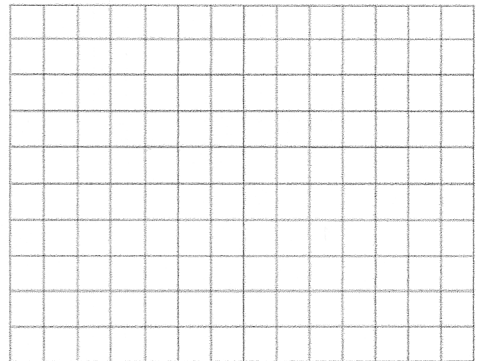
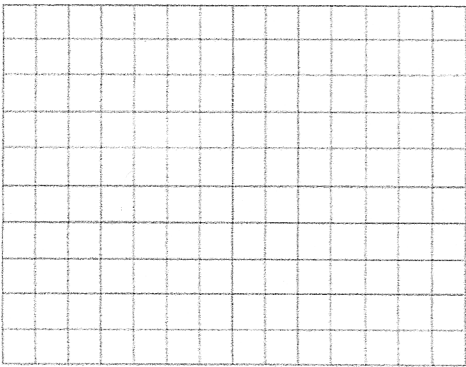
29)

**Cost For Renting A
Canoe:**

\$15 for each hour

Make a table showing the cost of renting a canoe for 1 to 5 hours.

30) Graph the data from your table.
Label your axes and include a title.



a) Does this graph show a proportional Relationship? Give two reasons to Support your answer.

b) Represent your graph with an equation.

Do the equations below represent direct variation? If yes, identify the constant of variation (k).

31) $5x + y = 0$

32) $2y = 5x$

33) $\frac{1}{2}y = 3x$

34) $6 + y = 2x$

Unit Rate Fractions. Draw a picture To help you solve the problems.

35) Maria walked $\frac{1}{4}$ of a mile in $\frac{1}{12}$ of a hour. Compute the unit rate as a complex fraction.

36) Neal eats $\frac{2}{3}$ of an apple in $\frac{5}{6}$ of a minute. Compute the unit rate as a complex fraction.

37) Which of the equations below represents a relationship where y varies directly with x ?

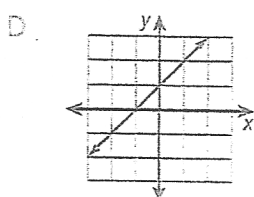
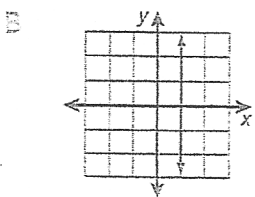
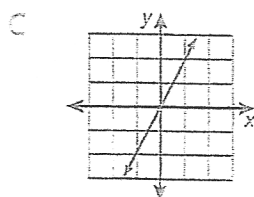
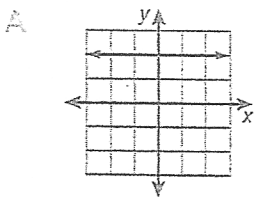
A) $y = 5 - 2x$

B) $x = 4y - 2$

C) $y = 2 + x$

D) $y = 12x$

38) Which of the following graphs represents a proportional relationship?



39) Which point is located on the graph of any proportional relationship?

A) $(0, -1)$

C) $(1, 0)$

B) $(0, 0)$

D) $(1, 1)$