

## Math 7– Chapter-1 Practice test

SCORE \_\_\_\_\_

**Be sure to show your work on each question.**

1. What is the unit rate if there are 92 miles driven using 4 gallons of gas?

1. \_\_\_\_\_

2. What is the **Constant Rate of Change** of the table below?

2. \_\_\_\_\_ miles per hour

<b>Hours</b>	2	4	6	8
<b>Miles</b>	70	140	210	280

3. What is the value of  $y$  in the proportion  $\frac{3}{16} = \frac{9}{y}$ ?

3. \_\_\_\_\_

4. Which size package of pasta shown in the table has the lowest unit price?

Size (oz)	Cost (\$)
3	0.99
8	2.59
16	5.59
32	11.89

4. \_\_\_\_\_

5. The table shows the cost for ordering a certain number of pies. What is the value of  $x$  if the cost is proportional to the number of pies ordered?

5. \_\_\_\_\_

<b>Pizzas Ordered</b>	2	3	4	5
<b>Cost</b>	\$14.50	\$21.75	\$29.00	$x$

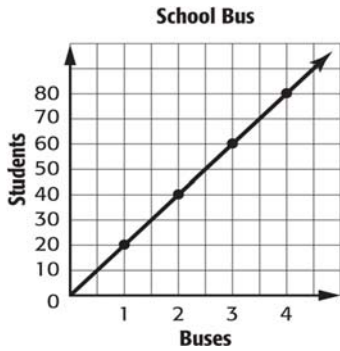
6. What is the **Constant Rate of Change** of the linear function?

6. \_\_\_\_\_

<b>Game, <math>x</math></b>	3	4	5	6
<b>Score, <math>y</math></b>	24	32	40	48

7. What is the **Constant Rate of Change** of the graph below?

7. \_\_\_\_\_ students per bus



8. What is the unit rate for \$120 for 8 hours

8. \_\_\_\_\_

9. What is the unit rate for 8 glasses of water every 24 hours

9. \_\_\_\_\_

10. The table shows the cost for ordering a certain number of tacos. What is the value of  $x$  if the cost is proportional to the number of tacos ordered?

10. \_\_\_\_\_

<b>Tacos Ordered</b>	2	3	4	6
<b>Cost</b>	\$2.60	\$3.90	\$5.20	$x$

11. Sanjay can travel 342 miles in 6 hours. At this rate, how far can he travel in 5 hours?

11. \_\_\_\_\_

12. What is the **Slope** of the line?

12. \_\_\_\_\_

