Name: Key	Date:
Topic:	Class:

Main Ideas/Questions	Notes/Examples
RATES	a quantity compared with a different quantity **Example:** $6 for 2 sandwiches
UNIT RATES	• A unit rate is a rate with a denominator of 1. • To change a rate to a unit rate, divide the numerator by the denominator.
EXAMPLES Write rates using the **symbol:** / This is read as per	**Directions:** Express each rate as a unit rate. Round to the nearest tenth when necessary.

1. 364 miles in 7 hours

52 mi/hr

2. 50 yards in 6.4 seconds

7.8125 yds/sec

3. 210 words in 6 minute

35 words/min

4. 232 students in 8 classes

29 students/class

5. 5 inches of rain in 3 days

1.7 in/day

6. 816 calories in 12 servings

68 cal/serving

7. 30 math problems in 52 minutes

0.6 math problems/minute

8. 225 skittles in 4 bags

56.3 skittles/bag

9. The table below shows the number of teachers and the number of students at each of four middle schools. Which school has the most students per teacher?

School	Teachers	Students	
Edgewood Middle School	34	840	24.7
~~Fairport Middle School~~	40	675	16.9
Wellington Middle School	31	604	19.5
Randal Park Middle School	28	578	20.6

10. Jake, Kylie, Gabe, and Curran took various road trips over the weekend. Whose car gets the most miles per gallon?

Name	Gallons Used	Miles Driven	
Jake	14	225	16.1
Kylie	15	312	20.8
Gabe	10	315	31.5
Curran	16	456	28.5

UNIT RATES *with price*

Unit prices give the cost per 1 unit. This is especially helpful when comparison shopping in order to find the best deal. When finding a unit price, always divide the cost by the amount.

EXAMPLES

Directions: Express each rate as a unit rate. Round to the nearest cent when necessary.

11. $9.40 for 5 cans of soup

$1.88 / can

12. a box of 210 tissues for $3.19

$0.02 / tissue

13. 15 gallons of gas for $31.35

$2.09/gal

14. $113.40 in 12 hours

$9.45/hr

15. 8 movie tickets for $63.60

$7.95/ticket

16. a 1500 square foot house for $119,000

$79.33/sq ft

17. a case of 24 bottles of water for $4.99

$0.21/bottle

18. 2.8 ounces of jelly beans for $2.49

$0.89/oz

19. $5.29 for 5 pounds of hash browns

$1.06/lb

20. 92 ounces of laundry soap for $13.49

$0.15/oz

Directions: Determine whether option A or option B is the better deal.

21.

☑ **Option A:** 64 crayons for $2.99 $0.05/crayon

☐ **Option B:** 120 crayons for $6.99 $0.06/crayon

22.

☐ **Option A:** 12 ounces of cereal for $2.99 $0.25/oz

☑ **Option B:** 17 ounces of cereal for $3.52 $0.21/oz

23.

☐ **Option A:** 6 pack of paper towels for $9.79 $1.63/pack

☑ **Option B:** 8 pack of paper towels for $12.49 $1.56/pack

24.

☑ **Option A:** box of 128 diapers for $26.99 $0.21/diaper

☐ **Option B:** box of 216 diapers for $45.99 $0.21/diaper