

Terrell Middle School

Math Family Fun Night

Parents you can work on this at home with your child in grades 6-8.
Worksheets sent home with students 2-15-24.

Name: _____ Date: _____ Period: _____

Use the table to write the ratio. Simplify your answer if possible and be sure to include the units.

1) peaches to apples

2) pears : watermelon

3) $\frac{\text{mangoes}}{\text{pineapples}}$

4) $\frac{\text{pineapples}}{\text{apples}}$

5) pears : peaches

6) mangoes to all other fruit

Type of Fruit	Number
Peaches	2
Pears	6
Apples	3
Pineapples	12
Mangoes	4
Watermelon	1

Use the given information to write a rate for each situation. Simplify your answer if possible and be sure to include the units.

7) 90 miles on 15 gallons

8) 152 feet in 16 seconds

9) 360 miles in 6 hours

10) 152 people for 5 classes

11) 815 calories in 4 servings

12) 9 feet in 21 minutes

Determine whether each example is a ratio or a rate (use the most specific term that applies) and explain why your choice is correct. Then, write the rate or ratio. Simplify your answer if possible and be sure to include the units.

13) 45 students for 2 teachers

14) \$42.50 per ticket

15) 8 hot dogs in 5 minutes

16) 4 green marbles and 9 yellow marbles

Write a situation for each ratio. Be sure to include labels in your description.

17) 50 to 4

18) 3 : 28

19) $\frac{1.98}{1}$

20) 8 : 24

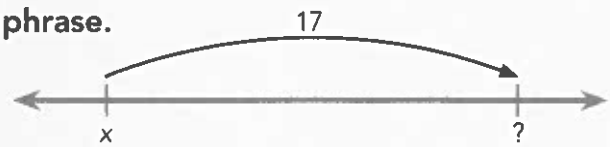
21) Self-Assessment: 1 2 3 4 I can understand ratios and rates.

Express Yourself

Example

Find an algebraic expression for the phrase.

17 more than a number x



Determine the operation being used.
Find the expression using that operation.

More than means an amount has been added.
 $x + 17$

Find an algebraic expression for the phrase.

- | | |
|---|--|
| <p>1 the sum of a number t and 5</p> <p>3 9 more than a number g</p> <p>5 the difference between 9 and a number g</p> <p>7 19 minus w</p> <p>9 the sum of m and 4</p> <p>10 4 less than m</p> <p>11 Nina's house has 3 more windows than Carmen's. If Carmen's house has w windows, how many windows does Nina's have?</p> <p>12 Paka walks w blocks to school. Ernestine lives 3 blocks closer to school than Paka. How many blocks does Ernestine walk to school?</p> | <p>2 9 less than a number g</p> <p>4 a number that is 5 less than a number t</p> <p>6 the difference between 5 and a number t</p> <p>8 the difference between w and 19</p> |
|---|--|



A	B	C	D	E	F
$5 - t$	$w - 19$	$m - 4$	$19 - w$	$g + 9$	$w + 3$
$w - 3$	$g - 9$	$t - 5$	$t + 5$	$9 - g$	$m + 4$
G	H	I	J	K	L

Objective: Name algebraic expressions for situations involving addition or subtraction of whole numbers.



QUIZZ Worksheets**Measurements**

Total questions: 20

Worksheet time: 20mins

Name Class Date

1. Never measure ingredients directly over the mixing bowl
 - a) False
 - b) True

2. Flour should be packed into the measuring cup
 - a) False
 - b) True

3. Measuring spoons can be used to measure both liquid AND dry ingredient.
 - a) False
 - b) True

4. Brown sugar should be sprinkled lightly into the measure cup.
 - a) True
 - b) False

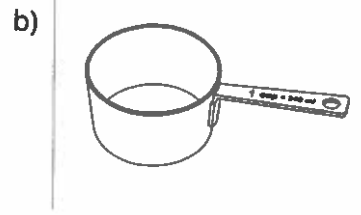
5. Eggs should be cracked directly into the mixing bowl with the other ingredients instead of a separate container to be checked.
 - a) False
 - b) True

6. How many teaspoons are in 1 tablespoon?
 - a) 3
 - b) 4
 - c) 2
 - d) 1/2

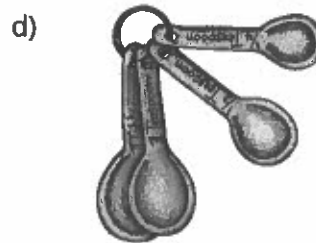
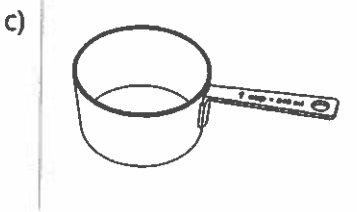
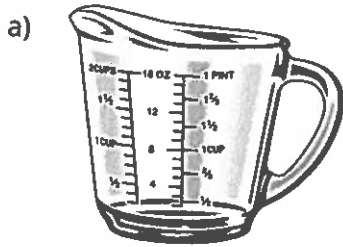
7. How many tablespoons are in 1 cup?
 - a) 6
 - b) 3
 - c) 12
 - d) 16

8. How many fluid ounces are in 1 cup of milk?
- a) 8 fluid ounces b) 12 fluid ounces
c) 6 fluid ounces d) 4 fluid ounces
9. How many quarts are in 1 gallon?
- a) 1 b) 3
c) 2 d) 4
10. What are the correct abbreviations for tablespoon?
- a) T, tsp b) tsp, tbsp
c) t, Tbsp d) tbsp, T
11. What is the correct abbreviation for pound?
- a) pd b) oz
c) p d) lb
12. What is the correct abbreviation for fluid ounces?
- a) flu. oun. b) fl ounces
c) foz d) fl.oz.
13. What are the correct abbreviations for teaspoon?
- a) T, tsp b) tsp, t
c) tbsp, T d) t, tbs

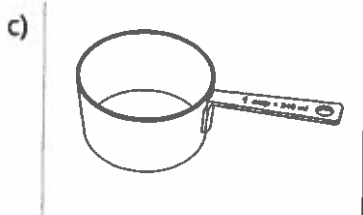
14. Which tool is recommended to measure 1 cup of milk?



15. Which tool is recommended to measure 1 cup of sugar?



16. Which tool is recommended to measure very small amounts of liquids and dry ingredients?



17. Which techniques are important when measuring liquids?
- a) All of the above
 - b) Use a clear liquid measuring cup
 - c) Place measuring cup on a flat surface
 - d) Read measurement at eye level
18. When measuring flour you should
- a) All of the above
 - b) Fluff the flour first
 - c) Gently spoon the flour into the dry measuring cup
 - d) Fill cup to overflowing and level off
19. The Liquid Displacement Method of measuring can be used for:
- a) Margarine
 - b) Honey
 - c) Flour
 - d) Brown sugar
20. The most accurate method of measuring is using a kitchen scale.
- a) True
 - b) False