

Name: _____

5th Grade Math End of Year Assessment

1. How is *three hundred seventeen thousandths* written in standard numeric form?

- a. 317,000
- b. 300.017
- c. 3.017
- d. 0.317

2. Circle the fraction that would correctly complete the statement below.

- a) $\frac{1}{2}$ _____ of 6 = 6
- b) $\frac{1}{3}$
- c) $\frac{2}{3}$
- d) $\frac{3}{3}$

3. $\frac{3}{5} + \frac{1}{4} =$

- a. $\frac{4}{9}$
- b. $\frac{4}{20}$
- c. $\frac{17}{20}$
- d. $1\frac{1}{20}$

4. Which equation is true?

- a. $0.065 \times 10 = 6.5$
- b. $39 \times 10^3 = 0.039$
- c. $15 \div 10 = 0.15$
- d. $7,400 \div 10^3 = 7.4$

5. Which of the lengths below is the shortest?

- a. 15 yards
- b. 29 feet
- c. 415 inches
- d. $\frac{1}{2}$ mile

6. Jess ordered 14 tons of cement. She used 6.37 tons to pave her driveway. How many tons of cement does Jess have left?

- a) 8.63
- b) 8.37
- c) 7.63
- d) 7.62

7. Which table shows “add 4” for sequence 1 and “subtract 7” for sequence 2?

a.

Sequence 1	4	8	12	16	20
Sequence 2	7	14	21	28	35

b.

Sequence 1	90	83	76	69	62
Sequence 2	20	24	28	32	36

c.

Sequence 1	11	15	19	23	27
Sequence 2	70	63	56	49	42

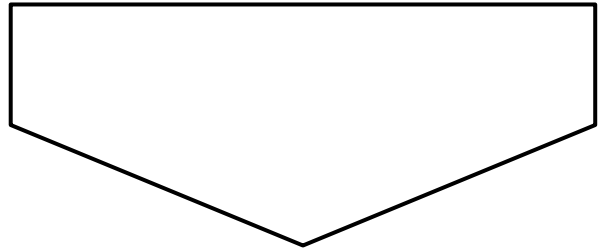
d.

Sequence 1	2	8	32	128	512
Sequence 2	85	78	71	64	57

8. Kennedy is planning a barbecue for 418 people. Paper plates are sold in packs of 65. How many packs of plates does Kennedy need to buy?

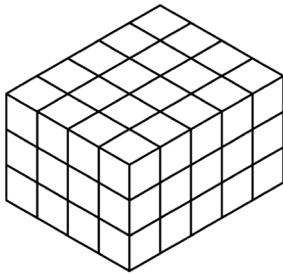
- a. 6
- b. 7
- c. 2,090
- d. 27,170

9. What type of angles are found inside the pentagon shown below?



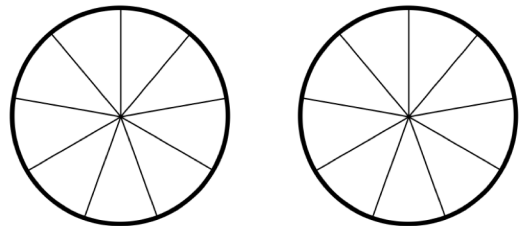
- a. three right, two obtuse
- b. two right, three obtuse
- c. two right, two obtuse, one acute
- d. two right, two acute, one obtuse

10. What is the volume of the rectangular prism below?



- a. 60 cubic units
- b. 72 cubic units
- c. 96 cubic units
- d. 216 cubic units

11. 9 people share 2 pizzas, as shown in the model below. What fraction of a pizza does each person get?



- a. $\frac{1}{18}$
- b. $\frac{1}{9}$
- c. $\frac{2}{9}$
- d. $\frac{1}{3}$

12. Anthony build a tower with a length of 4.5 feet, a width of 6 feet, and a height of 10 feet. What is the volume of Anthony's tower?

- a. 20.5 ft^3
- b. 64.5 ft^3
- c. 270 ft^3
- d. $2,700 \text{ ft}^3$

13. In the fifth grade hallway, 3 teachers share 5 bulletin boards. Which statement is true about the amount of board space each teacher will get?

- a. Each teacher will get $\frac{1}{5}$ of a bulletin board.
- b. Each teacher will get $\frac{3}{5}$ of a bulletin board.
- c. Each teacher will get $1\frac{2}{3}$ bulletin boards.
- d. Each teacher will get $1\frac{3}{5}$ bulletin boards.

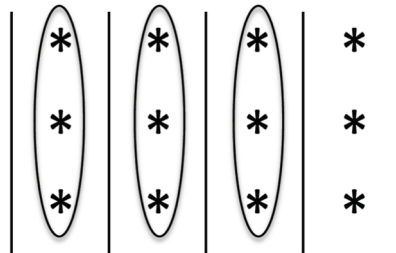
14. What fraction sentence is modeled below?

a) $\frac{2}{3}$ of $12 = 9$

b) $\frac{3}{4}$ of $12 = 9$

c) $12 \div \frac{1}{3} = 3$

d) $12 \div \frac{1}{4} = 9$



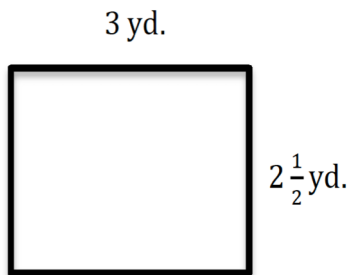
15. Which statement below is false?

- a. All squares are quadrilaterals.
- b. All squares are rectangles.
- c. All rectangles are quadrilaterals.
- d. All quadrilaterals are squares.

16. $6\frac{1}{2} - 2\frac{2}{3} =$

- a. $3\frac{5}{6}$
- b. $3\frac{2}{3}$
- c. $4\frac{1}{6}$
- d. $4\frac{1}{3}$

17. A new dog park was installed across the street from Antonio's house. A map of the dog park is shown below. What is the area of the dog park?



- a. $7\frac{1}{2} \text{ yd.}^2$
- b. $5\frac{1}{2} \text{ yd.}^2$
- c. $2\frac{1}{2} \text{ yd.}^2$
- d. $\frac{2}{15} \text{ yd.}^2$

18. Which statement is true about a scalene triangle?

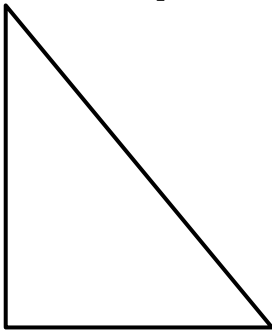
- a. Scalene triangles have two right angles.
- b. Scalene triangles have two obtuse angles.
- c. Scalene triangles have two congruent sides.
- d. Scalene triangles have no congruent sides.

19. Lyle ran 6.27 miles this morning. Genevieve ran $\frac{6}{5}$ as far as Lyle. Which statement is true about the distance Genevieve ran?

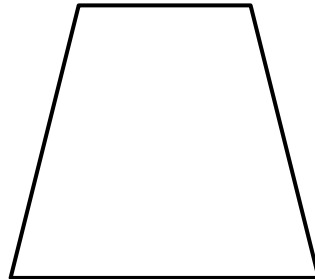
- a. Genevieve ran exactly 6.27 miles.
- b. Genevieve ran exactly $\frac{6}{5}$ miles.
- c. Genevieve ran more than 6.27 miles.
- d. Genevieve ran less than 6.27 miles.

20. What of these shapes is a parallelogram?

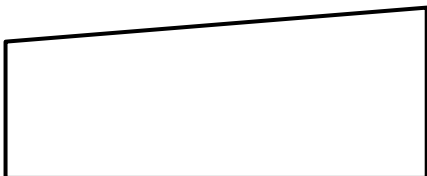
a.



b.



c.



d.



21. Which of the following is equivalent to 190.48?

- a. $100 + 90 + 0.04 + 0.08$
- b. $100 + 90 + 0.4 + 0.08$
- c. one hundred nine and forty-eight hundredths
- d. one hundred nineteen and forty-eight hundredths

22. Aiden walked $\frac{2}{3}$ as far as Billy. If Billy walked $\frac{9}{10}$ mile, how far did Aiden walk?

- a. $\frac{3}{5}$ mi.
- b. $\frac{11}{13}$ mi.
- c. $1\frac{17}{30}$ mi.
- d. $\frac{7}{30}$ mi.

23. Madison is building a container for her daughter's block collection. Each block has a volume of 1 cubic inch. There are 15 red blocks and 42 white blocks. What is the minimum volume the container must have to hold the entire block collection?

- a. 27 in^3
- b. 57 in^3
- c. 600 in^3
- d. 630 in^3

24. Slidell, LA has a population of 27,068. Which number has a 6 that is 100 times greater than the 6 in this number?

- a. 27,168
- b. 446,839
- c. 60,515
- d. 253.61

25. George is hiking the Mountainview Trail, a distance of $8\frac{2}{5}$ miles. After hiking $3\frac{1}{10}$ miles, he stops for lunch. How much further does George have left to hike?

- a. $11\frac{1}{2}$ mi.
- b. $5\frac{1}{10}$ mi.
- c. $5\frac{1}{5}$ mi.
- d. $5\frac{3}{10}$ mi.

26. $2,048 \div 32 =$

- a. 63
- b. 64
- c. 139
- d. 141

27. All of the following would round to 57.3 *except* which one?

- a. 57.374
- b. 57.3195
- c. 57.28
- d. 57.25003

28. $98.6 \div 10^2 =$

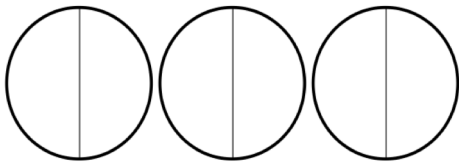
- a. 9.86
- b. 0.986
- c. 986
- d. 9,860

29. Jack brought $\frac{1}{5}$ gallon of water with him on a hike. If he wants the water to last for three hours, how much water can Jack drink each hour?

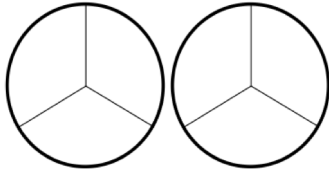
- a. $\frac{3}{5}$ gal.
- b. $\frac{1}{3}$ gal.
- c. $\frac{3}{15}$ gal.
- d. $\frac{1}{15}$ gal.

30. Which model shows the problem $3 \div \frac{1}{2}$?

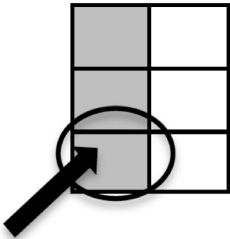
a.



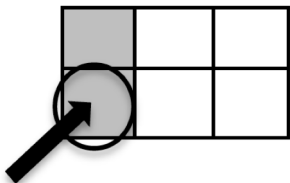
b.



c.



d.



31. Evaluate the expression below:

$$4 + 7 \times 3 - 8$$

a. 13

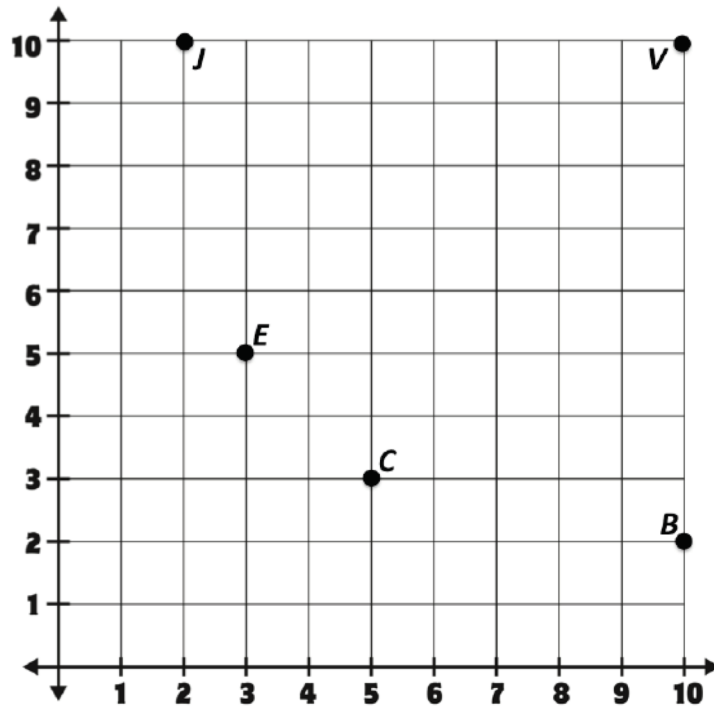
b. 17

c. 25

d. 33

32. Jennica shipped 11 boxes. Each box weighed $\frac{3}{4}$ lb. What was the combined weight of all the boxes?
- a. $\frac{4}{33}$ lbs.
 - b. $8\frac{1}{4}$ lbs.
 - c. $14\frac{1}{4}$ lbs.
 - d. $\frac{33}{44}$ lbs.
33. Mary bought 406 tiles for her bathroom floor. Each tile has an area of 25 square centimeters. What is the maximum amount of flooring that Mary will be able to cover?
- a. 16 cm^2
 - b. 17 cm^2
 - c. $10,150\text{ cm}^2$
 - d. $10,370\text{ cm}^2$
34. Half of Shannon's t-shirts are white. A third of Shannon's t-shirts are black. The rest of Shannon's t-shirts are blue. What fraction of Shannon's t-shirts are blue?
- a. $\frac{2}{3}$
 - b. $\frac{2}{5}$
 - c. $\frac{5}{6}$
 - d. $\frac{1}{6}$

Use the coordinate grid below to answer questions 35 – 38.



35. What are the coordinates of Point C?

- a. (3, 5)
- b. (3, 3)
- c. (5, 3)
- d. (5, 5)

36. Which point is located at (10, 2)?

- a. Point B
- b. Point J
- c. Point V
- d. Point E

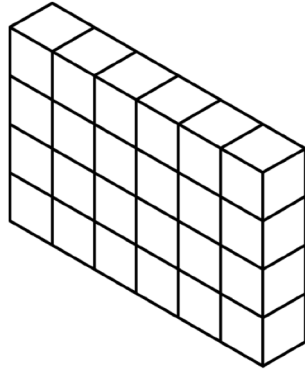
37. Which two points have the same y-coordinate?

- a. V and B
- b. E and C
- c. E and J
- d. J and V

38. Jodie would like to connect J and V with a third point to make a right triangle. All of the following could be coordinates for Jodie's new point *except* which one?

- a. (6, 3)
- b. (2, 7)
- c. (10, 8)
- d. (10, 4)

39. Which set of dimensions would result in the same volume as the rectangular prism shown below?



- a. $2 \times 3 \times 8$
- b. $2 \times 3 \times 4$
- c. $12 \times 2 \times 2$
- d. $6 \times 2 \times 8$

40. $778 \times 39 =$

- a. 7,002
- b. 9,336
- c. 27,472
- d. 30,342

41. Which statement does **NOT** represent the expression below?

$$55 + 17 \times 3$$

- a. the product of seventeen and three increased by fifty-five
- b. fifty-five more than seventeen tripled
- c. the sum of fifty-five and seventeen multiplied by three
- d. fifty-five plus the product of seventeen and three

42. The table below shows the ordered pair for Line M. The line follows the rule “*multiply x by 3 to get y* ”

X	Y
1	
2	
3	
4	

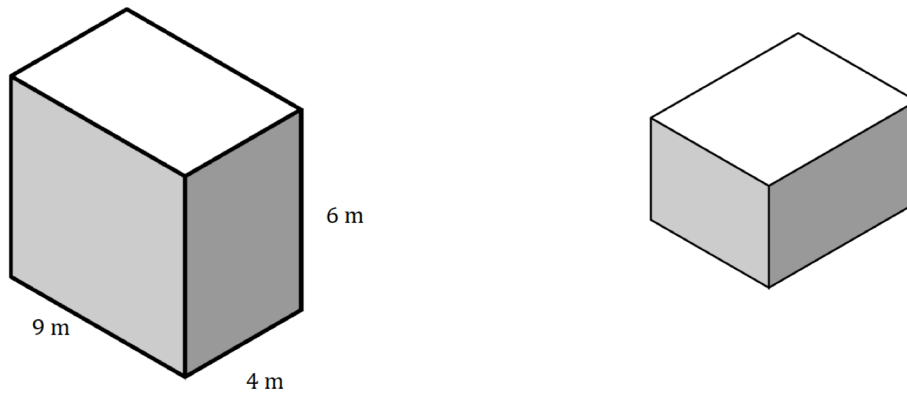
What are the missing y-coordinates?

- a. 2, 4, 6, 8
- b. 3, 4, 5, 6
- c. 3, 6, 9, 12
- d. 3, 8, 9, 16

43. Which statement is true about the number 583.053?

- a. The 5 in the hundreds place is one hundred times greater than the 5 in the hundredths place.
- b. The 5 in the hundreds place is $\frac{1}{100}$ the size of the 5 in the hundredths place.
- c. The 3 in the ones place is one thousand times greater than the 3 in the thousandths place.
- d. The 3 in the ones place is $\frac{1}{1000}$ the size of the 3 in the thousandths place.

44. The local zoo is building two fish tanks, shown below:



The tanks have a combined volume of 315 m^3 . What is the volume of the smaller tank?

- a. 531 m^3
- b. 216 m^3
- c. 101 m^3
- d. 99 m^3

45. Jason bought a bottle of water that held 755.39 milliliters. Round this number to the nearest ten.

- a. 755.4
- b. 755.3
- c. 750
- d. 760

46. Which expression represents the statement below:

nine less than the product of thirty-two and two

- a. $9 - 32$
- b. $32 \times 2 - 9$
- c. $32 - 9$
- d. $9 - 32 \times 2$

47. Jan walked for 4.75 kilometers this morning. How far did Jan walk in meters?

- a. 475 meters
- b. 4,750 meters
- c. 47,500 meters
- d. 475,000 meters

48. Charles ran a mile in 5.34 minutes. Beth ran a mile in 5.35 minutes. Which of the following numbers falls between Charles and Beth on a number line?

- a) 5.36
- b) 5.4
- c) 5.348
- d) 5.351

49. Evaluate the expression below:

$$9(3 \times 6) + 27 \div (2 \times 4 - 5)$$

- a. 20
- b. 21
- c. 171
- d. 175

50. Which list shows the numbers below ordered from least to greatest?

7.37 7.156 7.8 7.06

- a. 7.06, 7.37, 7.8, 7.156
- b. 7.06, 7.156, 7.37, 7.8
- c. 7.06, 7.37, 7.156, 7.8
- d. 7.8, 7.37, 7.156, 7.06

51. A cube with each edge measuring 1 centimeter is known as a _____.

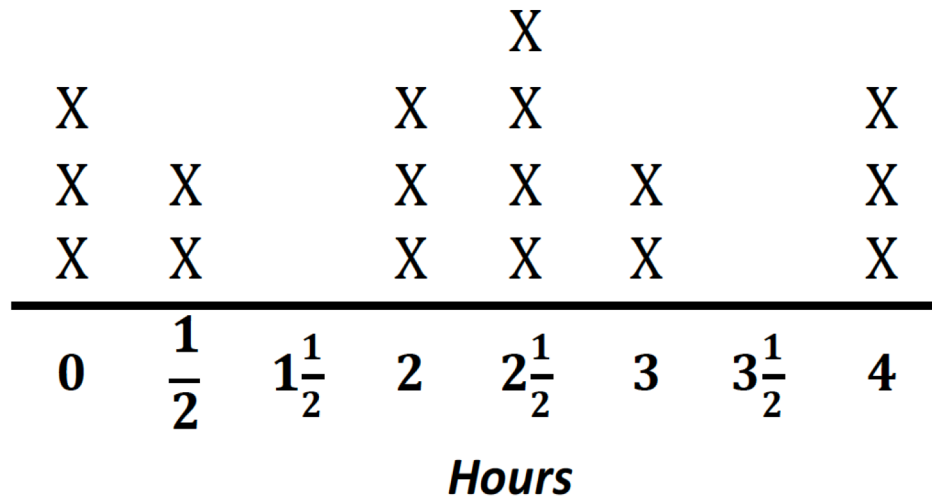
- a. complex centimeter
- b. irrational centimeter
- c. square centimeter
- d. cubic centimeter

52. $18.3 \times 0.07 =$

- a. 1.281
- b. 12.81
- c. 128.1
- d. 1,281

Participants in a behavioral study were asked to track the amount of time they spent on their phones over a weekend. The results are shown in the line plot below. Use this graph to answer questions 53 and 54.

Time Spent on Phones



53. How many people participated in the study?

- A) 8
- B) 15
- C) 17
- D) 19

54. What was the combined amount of time spent on phones by all the participants?

- a) 8
- b) 17
- c) 33
- d) 35

Answer Key

1. D	19. C	37. D
2. D	20. D	38. A
3. C	21. B	39. B
4. D	22. A	40. D
5. B	23. B	41. C
6. C	24. B	42. C
7. C	25. D	43. C
8. B	26. B	44. D
9. B	27. A	45. D
10. A	28. B	46. B
11. C	29. D	47. B
12. C	30. A	48. C
13. C	31. B	49. C
14. B	32. B	50. B
15. D	33. C	51. D
16. A	34. D	52. A
17. A	35. C	53. C
18. D	36. A	54. D

Grading Scale

54 = 100%	48 = 89%	42 = 78%	36 = 67%	30 = 56%
53 = 98%	47 = 87%	41 = 76%	35 = 65%	29 = 54%
52 = 96%	46 = 85%	40 = 74%	34 = 63%	28 = 52%
51 = 94%	45 = 83%	39 = 72%	33 = 61%	27 & Below = 50%
50 = 93%	44 = 81%	38 = 70%	32 = 59%	
49 = 91%	43 = 80%	37 = 69%	31 = 57%	

Scoring Guide

Give yourself a check-mark in the box for each question number that you answered correctly. Use this determine which objectives you mastered. To master an objective you must both questions correctly.

Questions	Objective	Mastered?	Questions	Objective	Mastered?
<input type="checkbox"/> 24 <input type="checkbox"/> 43	NBT.1: Comparing Digits Within a Number		<input type="checkbox"/> 29 <input type="checkbox"/> 30	NF.7: Dividing Fractions	
<input type="checkbox"/> 4 <input type="checkbox"/> 28	NBT.2: Multiplying & Dividing by Powers of 10		<input type="checkbox"/> 31 <input type="checkbox"/> 49	OA.1: Evaluate Expressions	
<input type="checkbox"/> 1 <input type="checkbox"/> 21	NBT.3A: Expanded, Word, & Standard Form		<input type="checkbox"/> 41 <input type="checkbox"/> 46	OA.2: Write Expressions	
<input type="checkbox"/> 48 <input type="checkbox"/> 50	NBT.3B: Comparing Decimals		<input type="checkbox"/> 7 <input type="checkbox"/> 42	OA.3: Generate Numeric Patterns Given a Rule	
<input type="checkbox"/> 27 <input type="checkbox"/> 45	NBT.4: Rounding Decimals		<input type="checkbox"/> 5 <input type="checkbox"/> 47	MD.1: Measurement Conversions	
<input type="checkbox"/> 33 <input type="checkbox"/> 40	NBT.5: Multiplying Whole Numbers		<input type="checkbox"/> 53 <input type="checkbox"/> 54	MD.2: Line Plots	
<input type="checkbox"/> 8 <input type="checkbox"/> 26	NBT.6: Dividing Whole Numbers		<input type="checkbox"/> 23 <input type="checkbox"/> 51	MD.3: Understanding Cubic Units	
<input type="checkbox"/> 6 <input type="checkbox"/> 52	NBT.7: Decimal Operations		<input type="checkbox"/> 10 <input type="checkbox"/> 39	MD.4: Volume through Counting	
<input type="checkbox"/> 3 <input type="checkbox"/> 16	NF.1: Adding & Subtracting Fractions		<input type="checkbox"/> 12 <input type="checkbox"/> 44	MD.5: Solving Problems with Volume	
<input type="checkbox"/> 25 <input type="checkbox"/> 34	NF.2: Fraction Addition & Subtraction Word Problems		<input type="checkbox"/> 35 <input type="checkbox"/> 36	G.1: Coordinate Geometry	
<input type="checkbox"/> 11 <input type="checkbox"/> 13	NF.3: Fractions as Division		<input type="checkbox"/> 37 <input type="checkbox"/> 38	G.2: Solving Problems on the Coordinate Plane	
<input type="checkbox"/> 14 <input type="checkbox"/> 17	NF.4: Multiplying Fractions		<input type="checkbox"/> 9 <input type="checkbox"/> 18	G.3: Properties of Two-Dimensional Shapes	
<input type="checkbox"/> 2 <input type="checkbox"/> 19	NF.5: Fractions Multiplication as Scaling		<input type="checkbox"/> 15 <input type="checkbox"/> 20	G.4: Hierarchy of Two-Dimensional Shapes	
<input type="checkbox"/> 22 <input type="checkbox"/> 32	NF.6: Fraction Multiplication Word Problems				

Which objectives did I master?

Which objectives do I need to keep practicing?

Thank you for your purchase from the number diva



Follow The Number Diva

TPT Store: Click on the green star next to my store logo to hear about new products: always 50% off for the first 48 hours!

Instagram: @thenumberdiva

Pinterest: www.pinterest.com/thenumberdiva/

TPT TIP: Get Credit for Future Purchases!

Go to your **"My Purchases"** page. Next to each purchase, you'll see a **"Provide Feedback"** button. Simply click it and you will be taken to a page where you can give a quick rating and leave a short comment for the product. Each time you give feedback, TPT gives you feedback credits that you may use to lower the cost of your future purchases. I really depend on feedback so thank you in advance!

Terms of Use:

- All pages of this product are copyrighted. You may not create anything to sell or share based on this product.
- This product is for one teacher's use only. Do not share with colleagues. If they like this product, please refer them to my TpT store. TpT is founded on the principle of teachers supporting teachers.