

<b>Course</b>	Grade 5 Math
<b>Due Date</b>	It is suggested to complete and return the review by the first week of school.
<b>New Jersey Student Learning Standards Addressed in this review assignment</b>	<p>4.NBT. A Generalize place value understanding for multi-digit whole numbers.</p> <p>4.NBT.B Use place value understanding and properties of operations to perform multi-digit arithmetic.</p> <p>4.OA.A Use the four operations with whole numbers to solve problems.</p> <p>4.NF.A Extend understanding of fraction equivalence and ordering.</p> <p>4.NF.B Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.</p> <p>4.NF.C Understand decimal notation for fractions, and compare decimal fractions.</p>
<b>Description of the assignment</b>	The content addressed in this review was covered during your previous math courses.
<b>Purpose of Assignment</b>	This packet is meant to review previous grade level standards that will be needed to be successful in 5 <sup>th</sup> grade math.
<b>Expectations</b>	To complete the problems over the summer without the use of a calculator unless otherwise stated.
<b>Where to locate the assignment</b>	West Deptford Middle School Website- Under the Curriculum Tab
<b>Contact Information</b>	<p>Laura Sandy  Assistant Principal of Curriculum and Instruction  <a href="mailto:lsandy@wdeptford.k12.nj.us">lsandy@wdeptford.k12.nj.us</a></p>
<b>Helpful Resources</b>	<p><a href="http://www.khanacademy.com">www.khanacademy.com</a></p> <p><a href="http://www.virtualnerd.com">www.virtualnerd.com</a></p> <p><a href="http://www.coolmath.com">www.coolmath.com</a></p> <p><a href="http://www.xtramath.com">www.xtramath.com</a></p> <p><a href="http://www.mobymath.com">www.mobymath.com</a></p> <p><a href="http://www.funbrain.com">www.funbrain.com</a></p> <p><a href="http://www.mathmaster.org">www.mathmaster.org</a></p> <p><a href="http://www.studyjams.com">www.studyjams.com</a></p>

Name \_\_\_\_\_

## Numeration, Patterns, and Relationships

Read each question. Then mark your answer on the sheet.

- What is the value of the 2 in 258,364?  

---
- What is the standard form of  $50,000 + 300 + 70 + 8$ ?  

---
- What is the word name for 86,987?
  - Eight thousand, six hundred ninety-eight
  - Eight-six thousand, eighty-seven
  - Eighty-six thousand, eight hundred seven
  - Eighty-six thousand, nine hundred eighty-seven
- In the number 6,779, which places contain digits where one digit is ten times as great as the other?
  - the thousands and hundreds places
  - the hundreds and tens places
  - the tens and ones places
  - the thousands and tens places
- What is 354,678 rounded to the nearest ten thousand?  

---
- Which of these comparisons are correct?  
Choose all that apply.
  - $64,765 > 66,876$
  - $76,294 < 76,429$
  - $88,650 = 88,650$
  - $53,378 < 63,376$

Name \_\_\_\_\_

## Numeration, Patterns, and Relationships

(continued)

Read each question. Then mark your answer on the sheet.

7. Damon writes a number pattern.  
The rule is: add 30.  
Which could be Damon's pattern?  
Choose all that apply.

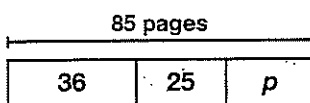
**A** 15, 20, 25, 30  
**B** 30, 60, 90, 120  
**C** 50, 80, 110, 140  
**D** 100, 70, 40, 10

8. Rich finds that the rule for this pattern is: subtract 9.  
Which is also true about this pattern?

70, 61, 52, 43, 34

**A** The tens digit increases by 1.  
**B** The ones digit increases by 1.  
**C** The numbers are all odd.  
**D** The numbers are all even.

9. Karen has 85 pages of her book to read. She reads 25 pages before dinner and 36 pages after dinner. Which shows the number of pages,  $p$ , Karen has left to read?



**A**  $p = 36$       **C**  $p = 26$   
**B**  $p = 34$       **D**  $p = 24$

10. Movie tickets are \$6 for adults and \$4 for children. Which shows the total cost,  $c$ , for 2 adults and 2 children to watch a movie?

**A**  $c = \$24$   
**B**  $c = \$20$   
**C**  $c = \$14$   
**D**  $c = \$10$

11. Mike has 63 stickers. Judy has 27 stickers. Mike and Judy share their stickers among 9 friends. Each friend gets  $s$  stickers. Which shows a correct way to find  $s$ ?

**A**  $63 + 27 = 90; 90 \div 9 = s$   
**B**  $63 + 27 = 90; 90 + 9 = s$   
**C**  $63 - 27 = 36; 36 + 9 = s$   
**D**  $63 - 27 = 36; 36 \div 9 = s$

Name \_\_\_\_\_

## Operations with Whole Numbers

Read each question. Then mark your answer on the sheet.

12. Which shows the difference?  
Regroup if you need to.

$$\begin{array}{r} 80,700 \\ - 14,632 \\ \hline \end{array}$$

- A 65,068  
B 66,068  
C 66,078  
D 76,178

13. Which shows the sum?  
Regroup if you need to.

$$\begin{array}{r} 34,675 \\ + 15,792 \\ \hline \end{array}$$

- A 49,367  
B 49,467  
C 50,367  
D 50,467

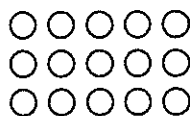
14. If you know that  $4 \times 9 = 36$ , which number sentence would help you to find the answer to  $5 \times 9$ ?

- A  $36 + 4 = 40$   
B  $36 + 9 = 45$   
C  $36 + 8 = 44$   
D  $36 + 9 = 44$

15. Which multiplication fact can help you solve  $21 \div 7$ ?

- A  $3 \times 6 = 18$   
B  $4 \times 7 = 28$   
C  $7 \times 3 = 21$   
D  $1 \times 7 = 7$

16. Find  $15 \div 2$ . Use the picture to help.



- A 7 R1  
B 7 R5  
C 8 R1  
D 8 R2

17. Joanne wrote an equation to correctly show that 32 is 8 times as many as 4. Which shows the equation Joanne wrote?

- A  $32 = 16 + 16$   
B  $32 - 8 = 24$   
C  $32 = 8 \times 4$   
D  $32 = 28 + 4$

Name \_\_\_\_\_

## Operations with Whole Numbers

(continued)

Read each question. Then mark your answer on the sheet.

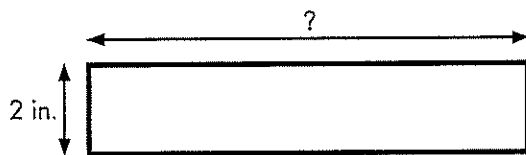
18. Which makes the number sentences true?

$$63 = ? \times 9$$

$$9 \times ? = 63$$

- A 4
- B 5
- C 6
- D 7

19. The length of a rectangle is 5 times as long as its width. The width of the rectangle is 2 inches. What is the rectangle's length?



20. Dan's string is 2 feet long. Maria's string is 4 times as long as Dan's string. Which shows a way to find the length of Maria's string,  $m$ ?

- A  $2 + 4 = m$
- B  $2 \times 4 = m$
- C  $m = 3 \times 4$
- D  $4 \times 4 = m$

21. Nicole bought 6 bags of beads for an art project. Each bag contains 168 beads. How many beads does Nicole have in all?

22. A nursery owner has 864 tomato sprouts. If he puts 3 sprouts in each planter, how many planters can he fill?

23. 2,688 tickets were sold at a fair. If each ticket cost \$6, what was the total amount of money raised from ticket sales?

Name \_\_\_\_\_

## Operations with Whole Numbers

(continued)

Read each question. Then mark your answer on the sheet.

**24.** A factory makes the same number of boxes each day. In 7 days, the factory made 3,164 boxes. How many boxes does the factory make each day?

**25.** Mikael says 7 is a prime number. Rianna says 7 is a composite number.

Which shows who is correct and why?

- A** Mikael is correct because  $3 + 4 = 7$  and  $4 + 3 = 7$ .
- B** Rianna is correct because  $1 \times 7 = 7$  and  $7 \times 1 = 7$ .
- C** Mikael is correct because 7 can only be divided evenly by 1 and itself.
- D** Rianna is correct because 7 cannot be divided by 5.

**26.** Which list shows all of the factors of 50?

- A** 1, 2, 5, 10, 25, 50
- B** 1, 2, 5, 10, 50
- C** 1, 2, 4, 5, 10, 25, 50
- D** 1, 2, 5, 10, 15, 25, 100

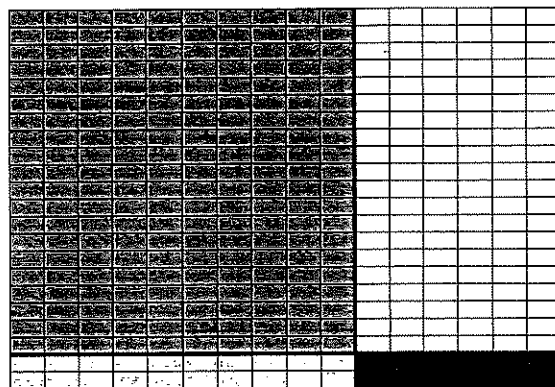
**27.** Which of the following completes the sentence? Choose all that apply.

54 is a multiple of \_\_\_\_.

- A** 2
- B** 6
- C** 7
- D** 9

**28.** Which shows the product of  $22 \times 16$ ?

You can use the array to help.



- A** 200
- B** 320
- C** 332
- D** 352

Name \_\_\_\_\_

## Fractions and Decimals

Read each question. Then mark your answer on the sheet.

29. Which of the following is NOT equivalent to  $\frac{3}{6}$ ?

$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$
---------------	---------------	---------------	---------------	---------------	---------------

- A  $\frac{2}{4}$   
 B  $\frac{3}{5}$   
 C  $\frac{4}{8}$   
 D  $\frac{6}{12}$

30. Which of the following statements are true? Choose all that apply.

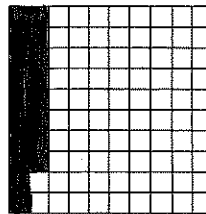
1											
$\frac{1}{3}$				$\frac{1}{3}$				$\frac{1}{3}$			
$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$

- A  $\frac{2}{3} > \frac{4}{12}$   
 B  $\frac{1}{3} = \frac{5}{12}$   
 C  $\frac{2}{3} < \frac{8}{12}$   
 D  $\frac{6}{12} > \frac{1}{3}$

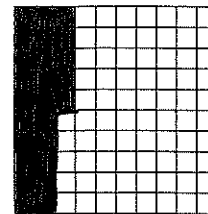
31. Which decimal is equal to  $\frac{7}{100}$ ?

- A 0.07  
 B 0.70  
 C 0.7100  
 D 7.100

32. Which statement correctly compares the models?



0.18



0.25

- A  $0.18 = 0.25$   
 B  $0.25 < 0.18$   
 C  $0.25 > 0.18$   
 D  $0.18 > 0.25$

33. Greg found that  $\frac{2}{6} + \frac{3}{6} = \frac{5}{6}$ . Which of the following is another way to show  $\frac{5}{6}$ ?

Choose all that apply.

- A  $\frac{1}{6} + \frac{3}{6}$   
 B  $\frac{4}{6} + \frac{1}{6}$   
 C  $\frac{1}{6} + \frac{1}{6} + \frac{2}{6} + \frac{1}{6}$   
 D  $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$

34. Which of the following is NOT correct for  $1\frac{4}{7}$ ?

- A  $1\frac{4}{7} = \frac{7}{7} + \frac{4}{7}$   
 B  $1\frac{4}{7} = \frac{7}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7}$   
 C  $1\frac{4}{7} = 1 + \frac{2}{7} + \frac{2}{7}$   
 D  $1\frac{4}{7} = 1 + \frac{1}{7} + \frac{2}{7}$

Name \_\_\_\_\_

## Fractions and Decimals

(continued)

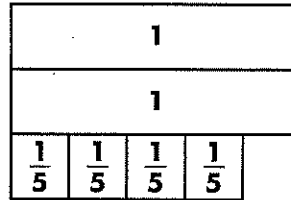
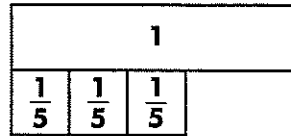
Read each question. Then mark your answer on the sheet.

35. Julio is saving his money to buy a new backpack. He saves  $\frac{1}{4}$  of the money he needs each week. After 3 weeks, what fraction of the money has Julio saved?

36. Liam bakes a cake. He shares  $\frac{6}{8}$  of the cake with his friends. Which shows how much of the cake Liam has left?

- A  $\frac{8}{8}$
- B  $\frac{6}{8}$
- C  $\frac{5}{8}$
- D  $\frac{2}{8}$

37. What is the sum of  $1\frac{3}{5} + 2\frac{4}{5}$ ?



38. In Ms. Kringle's class,  $\frac{4}{12}$  of the students completed the test in the morning. Then  $\frac{6}{12}$  of the students completed the test in the afternoon.

Which shows the fraction of students that completed the test?

- A  $\frac{10}{10}$
- B  $\frac{10}{12}$
- C  $\frac{5}{10}$
- D  $\frac{12}{12}$



Name \_\_\_\_\_

## Fractions and Decimals

(continued)

Read each question. Then mark your answer on the sheet.

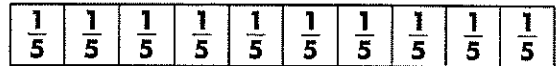
39. Which fraction completes this multiplication equation?

$$\frac{6}{9} = 6 \times ?$$

- A  $\frac{1}{6}$
- B  $\frac{6}{6}$
- C  $\frac{1}{9}$
- D  $\frac{6}{9}$

40. David ran  $1\frac{3}{6}$  miles. Fiona ran  $3\frac{1}{6}$  miles. How much farther did Fiona run than David?

41. Which multiplication sentence describes the model?



- A  $5 \times \frac{1}{5} = \frac{5}{5}$
- B  $9 \times \frac{1}{5} = \frac{9}{5}$
- C  $10 \times 5 = 50$
- D  $10 \times \frac{1}{5} = \frac{10}{5}$

42. Which shows the sum of  $\frac{4}{10} + \frac{8}{100}$ ?

- A  $\frac{12}{10}$
- B  $\frac{12}{100}$
- C  $\frac{48}{10}$
- D  $\frac{48}{100}$

Name \_\_\_\_\_

# Challenge

Read each question. Then mark your answer on the sheet.

Bolts sell for \$1.29 per pound and nails for \$3.29 per pound. What is the total cost of 5 pounds of bolts and 3 pounds of nails?

How much more will it cost to buy 3 pounds of salami than 3 pounds of ham?

Derek's Deli	
Ham	\$2.99 per lb
Turkey	\$3.19 per lb
Salami	\$3.89 per lb

Each pound of snack mix uses 2 ounces of peanuts, 5 ounces of raisins, and some other nuts. A batch of mix has 12 ounces of peanuts. How many ounces of raisins does it have?

Peanuts	2	4	6				
Raisins	5	10					

- A 30 ounces
- B 24 ounces
- C 22 ounces
- D 19 ounces

Your mom ordered a quarter sheet cake for your party. The top and sides of the cake are decorated with your favorite frosting. Aunt Debbie would like a piece with as little frosting as possible. How many pieces have only one surface frosted?



- A 12 pieces
- B 8 pieces
- C 5 pieces
- D 3 pieces

Mr. Stykes has 214 stickers to give to his class of 26 students. He plans to give the same number to each student. Which of the following is the only reasonable number of stickers each student will get?

- A 12 stickers
- B 10 stickers
- C 8 stickers
- D 4 stickers