Brandon Valley School District

District Learning Plan
March 16-19, 2020

Grade 4 Math

Brandon Valley School District Distance Learning Plan

LESSON/UNIT: Math Review-Numbers/Operations   **SUBJECT/GRADE:**   **Math/4th**   **DATES: March 16 - 19, 2020**

What do students need to do?	Students may print out worksheets listed below or write on lined or unlined paper with page number written at the top. Monday (3/16): Complete Chapter 1 review Tuesday (3/17): Complete Chapter 2 review Wednesday (3/18): Complete Extended response Chapter 4 and Chapter 5 review Thursday (3/19): Complete Chapter 6 review
What do students need to bring back when school resumes?	• Monday through Thursday work completed. • Textbooks sent home.
What standards do the lessons cover?	**4.NBT.1** - Recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right. For example, recognize that the 7 in 700 is 10 times greater than the 7 in 70 because 700 ÷ 70 = 10 and 70 x 10 = 700. **4.NBT.2** - Read and write multi-digit whole numbers. a. Read and write multi-digit whole numbers using base-ten numerals (standard form), number names (word form), and expanded form. b. Compare two multi-digit numbers based on values of the digits in each place, using <, >, and = symbols to record the results of comparisons. **4.NBT.3** - Use place value understanding to round multi-digit whole numbers to any place. **4.NBT.4** - Fluently add and subtract multi-digit whole numbers using an algorithm including, but not limited to, the standard algorithm. **4.NBT.5** - Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models. **4.NBT.6** - Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.
What materials do students need? What extra resources can students use?	Lesson on Partial Products for multiplication - https://learnzillion.com/lesson_plans/8117-use-partial-products-for-multiplication/ Lesson on area model for multiplication - https://learnzillion.com/lesson_plans/6075-use-an-area-model-for-multiplication-of-two-digit-numbers-by-two-digit-numbers/ Lesson on long division without remainders - https://www.khanacademy.org/math/arithmetic/arith-review-multiply-divide/arith-review-multi-digit-div/v/long-division-without-remainder

	Lesson on long division with remainders - https://www.khanacademy.org/math/arithmetic-home/multiply-divide/mult-digit-div-2/v/division-2
What can students do if they finish early?	https://www.freckle.com/math/ https://global-zone08.renaissance-go.com/welcomeportal/709268 State Assessment Practice Site - https://login10.cloud1.tds.airast.org/student/V388/Pages/LoginShell.aspx?c=SouthDakota_PT
Who can we contact if we have questions? Please click on the blue "Teachers" link to email a teacher.	**Brandon Elementary** Teachers Building Principal: merle.horst@k12.sd.us **Fred Assam Elementary** Teachers Building Principal: susan.foster@k12.sd.us **Robert Bennis Elementary** Teachers Building Principal: Kristin.Hofkamp@k12.sd.us **Valley Springs Elementary** Teacher Building Principal: tanya.palmer@k12.sd.us

Notes: All these concepts are a review from the beginning of the year.

Brandon Valley School District

Name _____ Date _____

Chapter Test, Form 1A

**Read each question carefully. Write the letter for your answer on
the line provided.**

1. What is *three thousand, two hundred forty-one* in standard form?

   A. 3,241   **B.** 32,241   **C.** 34,214   **D.** 300,241   1. _____

2. What is 50,000 + 2,000 + 600 + 10 + 8 in standard form?

   F. 5,618   **G.** 50,268   **H.** 52,618   **I.** 502,681   2. _____

3. What is 56,401 in word form?

   A. *fifty-six thousand, four hundred ten*
   B. *fifty-six hundred, four thousand one*
   C. *fifty-six thousand, four hundred one*
   D. *sixty-five thousand, four hundred one*   3. _____

4. What digit is in the ten thousands place in 9,435,678?

   F. 4   **G.** 3   **H.** 5   **I.** 6   4. _____

5. What is the place value of the underlined digit in 136,<u>7</u>80?

   A. hundred thousands   **C.** thousands
   B. ten thousands   **D.** hundreds   5. _____

6. Which number is the *greatest*?

   F. 15,908   **H.** 19,580
   G. 18,980   **I.** 10,598   6. _____

7. Which number is the *least*?

   A. 34,671   **C.** 34,167
   B. 37,146   **D.** 37,614   7. _____
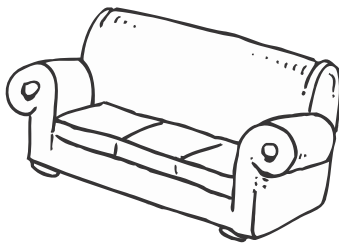
Chapter Test, Form 1A *(continued)*

8. Which symbol shows that 56,896 is greater than 56,689?

    F. <   **G.** >   **H.** =   **I.** +   **8.** _____

9. Round 287,301 to the nearest hundred thousand.

    A. 300,000   **B.** 290,000   **C.** 287,300   **D.** 287,000   **9.** _____

10. Round 76,912 to the nearest ten thousand.

    F. 82,000   **G.** 80,000   **H.** 77,000   **I.** 70,000   **10.** _____

11. Round 124,567 to the nearest thousand.

    A. 124,500   **B.** 124,570   **C.** 124,600   **D.** 125,000   **11.** _____

12. What is the value of the 8 in 381,697?

    F. 800,000   **G.** 80,000   **H.** 8,000   **I.** 800   **12.** _____

13. The city of Boston has about 614,594 residents. To the nearest ten thousand, what is the population of Boston?

    A. 600,000   **B.** 610,000   **C.** 615,000   **D.** 614,600   **13.** _____

14. The Sunshine Deli sold 59,201 sandwiches this year. What is that number in expanded form?

    F. 5,000 + 900 + 20 + 1   **H.** 5,000 + 900 + 20 + 1

    G. 50,000 + 9,000 + 20 + 1   **I.** 50,000 + 9,000 + 200 + 1   **14.** _____

Name _____ Date _____

Standardized Test Practice

Read each question. Fill in the correct answer.

1. A new living room set costs $4,598. Rounded to the nearest thousand, how much will the living room set cost?

   Ⓐ $4,000   Ⓒ $4,600
   Ⓑ $4,590   Ⓓ $5,000

2. Taro says that his street address has a 3 in the thousands place. Which of the following could be his address?

   Ⓕ 1,324   Ⓗ 3,176
   Ⓖ 2,342   Ⓘ 5,437

3. The state fair had 43,023 visitors on Thursday and 55,435 visitors on Friday. How many visitors did the state fair have on the two days?

   Ⓐ 92,412   Ⓒ 98,458
   Ⓑ 93,598   Ⓓ 98,469

4. The table below shows the number of visitors to the art museum. How many visitors did the museum have on Friday and Saturday?

Day	Number of Visitors
Friday	31,823
Saturday	32,543
Sunday	32,168

   Ⓕ 64,021   Ⓗ 64,366
   Ⓖ 64,711   Ⓘ 66,534

5. Last year, 876,355 baseball cards were sold. Rounded to the nearest hundred, how many baseball cards were sold?

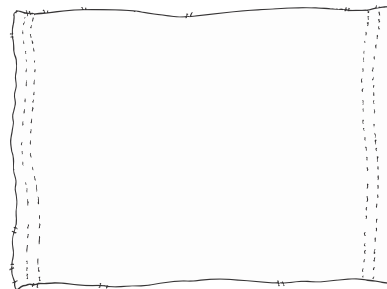   Ⓐ 876,350   Ⓒ 876,400
   Ⓑ 876,355   Ⓓ 876,500
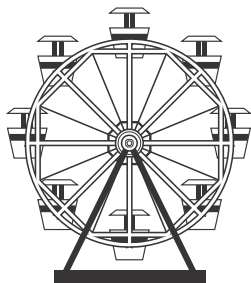
6. A surf shop owner said his shop sold 234,253 beach towels. What is the number rounded to the nearest ten thousand?

   Ⓕ 200,000   Ⓗ 240,000
   Ⓖ 230,000   Ⓘ 300,000

Name _____ Date _____

Standardized Test Practice *(continued)*

7. A supermarket mailed out coupons to five neighborhoods. The number of coupons mailed out is shown in the table below.

Neighborhood	Number of Coupons
Pond View	11,660
The Bluffs	11,760
Springlake	11,765
Marshland	11,662

How many coupons did Pond View and Springlake receive?

Ⓐ 23,425   Ⓒ 24,425
Ⓑ 23,435   Ⓓ 24,524

8. Which number makes the following sentence true?

$$234,108 + \boxed{} = 235,108$$

Ⓕ 10   Ⓗ 1,000
Ⓖ 100   Ⓘ 10,000

9. What is 100 less than the population of Groveville?

Groveville Population 237,421
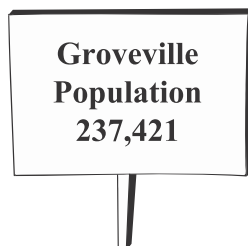
Ⓐ 238,421   Ⓒ 237,521
Ⓑ 238,321   Ⓓ 237,321

10. At a soccer game, there were 5,189 fans cheering for the Chicago Fire and 5,298 fans cheering for the Columbus Crew. How many fans were cheering in all?

$$5,189 + 5,298 = \boxed{}$$

Ⓕ 10,378   Ⓗ 10,500
Ⓖ 10,487   Ⓘ 10,588

11. Which number makes this number sentence true?

$$(4 + 5) + 3 = (2 + 3) + \boxed{}$$

Ⓐ 2   Ⓒ 7
Ⓑ 6   Ⓓ 10

12. The table below shows the number of apples sold at two apple orchards last season.

Orchard	Number of Apples
Delicious Apple Orchard	70,442
Smith Apple Orchard	71,224

How many more apples did Smith Apple Orchard sell than Delicious Apple Orchard?

Ⓕ 782 apples   Ⓗ 1,222 apples
Ⓖ 1,882 apples   Ⓘ 141,666 apples

Name _____ Date _____

Extended-Response Test

Demonstrate your knowledge by giving a clear, concise solution to each problem. Be sure to include all relevant drawings and justify your answers. You may show your solution in more than one way or investigate beyond the requirements of the problem. If necessary, record your answer on another piece of paper.

1. Use base-ten models to explain how to multiply 23 × 3.

2. Estimate the product of 3,562 × 7. Explain whether the actual product is more or less than the estimate.

3. Explain how you use partial products to solve 4 × 53.

4. Write a problem multiplying 3 by a four-digit number with a 0 in the hundreds place. Explain how to find the product.

Name _____ Date _____

Standardized Test Practice

Read each question. Fill-in the correct answer.

1. Pablo makes $23 each day raking leaves. About how much money does Pablo make in one week?

Ⓐ $23   Ⓒ $176
Ⓑ $140   Ⓓ $210

2. Mr. Franklin drives 37 miles each day to and from work. How many miles does he drive in 20 work days?

Ⓕ 740 miles   Ⓗ 510 miles
Ⓖ 640 miles   Ⓘ 400 miles

3. The table below shows the cost of sandwiches and drinks at a local café. What is the total cost for 15 people if they each get one sandwich and one drink?

Food Item	Cost
Sandwich	$4
Drink	$3

Ⓐ $45   Ⓒ $90
Ⓑ $60   Ⓓ $105

4. Sabrina has 36 dimes. How much money does she have?

Ⓕ 900 cents   Ⓗ 180 cents
Ⓖ 360 cents   Ⓘ 36 cents

5. Which property says 14 × 1 = 14?

Ⓐ Zero   Ⓒ Commutative
Ⓑ Identity   Ⓓ Associative
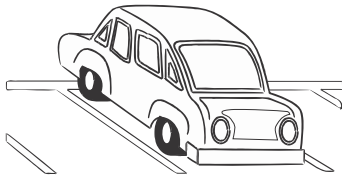
6. Ten people each had 13 apples. About how many apples were there altogether?

Ⓕ 100   Ⓗ 200
Ⓖ 103   Ⓘ 300

7. At a class reunion, there were 56 people who were all 48 years old. What was the total number of years the people had lived?

Ⓐ 3,000 years   Ⓒ 2,700 years
Ⓑ 2,688 years   Ⓓ 2,588 years

GO ON▶

Name _____ Date _____

Standardized Test Practice *(continued)*

8. Charlie moved to Centerville exactly 5 years ago. How many days has Charlie lived in Centerville? (*Hint:* There are 365 days in one year.)

- Ⓕ 2,000 days
- Ⓖ 1,825 days
- Ⓗ 1,725 days
- Ⓘ 1,700 days

**11.** Mr. Morgan saved $5,670. Mrs. Morgan saved the same amount of money. How much money did they save altogether?
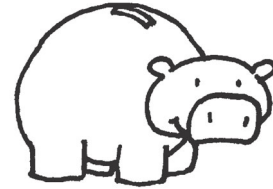
- Ⓐ $5,672   Ⓒ $10,240
- Ⓑ $5,890   Ⓓ $11,340

9. A science project was worth 65 points. The project has 5 sections worth the same amount of points each. How much was each section worth?
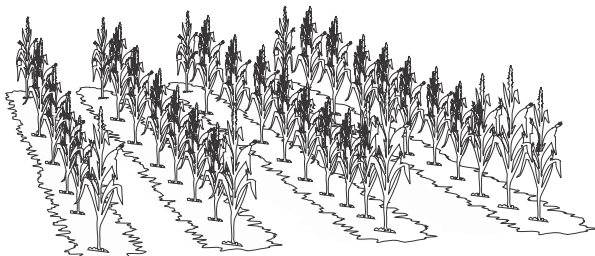
- Ⓐ 11 points
- Ⓑ 13 points
- Ⓒ 55 points
- Ⓓ 325 points

12. Yolanda has 5 flowers. Barbie has 8 more flowers than Yolanda. Eden has 2 times as many flowers as Barbie. How many flowers does Eden have?
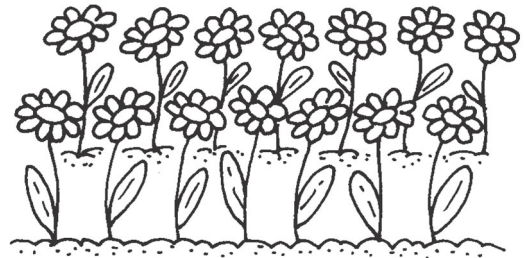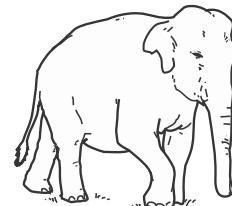
- Ⓕ 10 flowers   Ⓗ 16 flowers
- Ⓖ 15 flowers   Ⓘ 26 flowers

10. In a field, there are 67 rows of corn. There are 25 plants in each row. How many corn plants are there?

- Ⓕ 1,675 plants   Ⓗ 1,062 plants
- Ⓖ 1,545 plants   Ⓘ 92 plants

13. Elephants spend 16 hours a day collecting plants to eat. How many hours do they spend collecting plants in one week?

- Ⓐ 16 hours   Ⓒ 80 hours
- Ⓑ 72 hours   Ⓓ 112 hours

STOP

Name _____ Date _____

Check My Progress *(Lessons 7 through 9)*

Divide.

1. $56 \div 7 =$

2. $62 \div 4 =$

3. $81 \div 9 =$

4. $29 \div 6 =$

5. $70 \div 5 =$

6. $91 \div 3 =$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

Divide.

7. $245 \div 3 =$

8. $459 \div 6 =$

9. $655 \div 5 =$

10. $921 \div 4 =$

11. $584 \div 2 =$

12. $369 \div 6 =$

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. There are 126 people at the park. There are picnic tables that seat 6 people. How many tables are needed for everyone?

13. _____

14. Camille has $45 to spend on earrings. Each pair costs $7. How many pairs of earrings can she buy?

14. _____