

Cultural Arts Academy
4th Quarter - 5th Grade Final Assessment

Scholar's Name: _____

Grade 5

University: _____ Date: _____

Directions

- **Answer all questions to the best of your ability. Use your time wisely and if you are finish early go back to review and check your work. Please use what you have learned to complete all task.**

[5.NBT.A.1] 1) In which number does the digit 5 have a greater value, 0.05 or 0.005? How many times as great is the value? *Show your work.*

[5.NBT.B.7] 2) The width of a math textbook is 0.75 inch. How many Math textbooks can be placed standing up on a shelf that is 18 inches wide? *Show your work.*

[5NF.A.1] 3) Cara's bathroom floor has an area of 2 square yards. She lays down a rug that has an area of $1\frac{3}{4}$ square yards. What area of floor is NOT covered by the rug? Circle the letter of the correct answer.

- A) 1 square yard
- B) $1\frac{1}{2}$ square yards
- C) $1\frac{5}{12}$ square yards
- D) $1\frac{3}{7}$ square yards

John chose **D** as the correct answer. How did he get that answer?

[5.NBT.B.7c] 4) Elise picks 6 pounds of apples. She uses $\frac{1}{2}$ pound of apples to make 1 container of applesauce. How many containers of applesauce can Elise make with all the apples?

- A) 12 containers
- B) $6\frac{1}{2}$ containers
- C) $5\frac{1}{2}$ containers
- D) 3 containers

[5.OA.A.1] 5) Which expression represents "the quotient of 10 and 2, plus 3"? Circle the letter of the correct answer.

- A) 10 divided by $(2 + 3)$
- B) $\frac{10}{2} + 3$
- C) $(10 \times 2) + 3$
- D) $\frac{10}{2} + 3$

[5.OA.B.3] 6) What rule could be used to create the pattern 9, 18, 27, 36, 45, 54,?

- A) multiply each term by 2 to get the next term
- B) multiply each term by 9 to get the next term
- C) add 9 to get the next term
- D) add 3 to get the next term

[5.OA.A.1] 7) Bodi and 4 friends each bought a \$15 ticket to the Pro Football Hall of Fame. Bodi had a coupon for \$10 off the total cost of the tickets. Which expression can be used to find the total amount paid by Bodi and his friends?

- A) $(5 \times 15) - 10$
- B) $5 \times (15 - 10)$
- C) $(15 - 10) \times 5$
- D) $(15 + 10) \times 5$

[5.MD.A.1] 8) How many quarts are there in $10 \frac{1}{2}$ gallons? (4 quarts = 1 gallon)

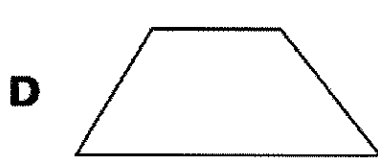
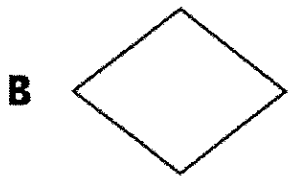
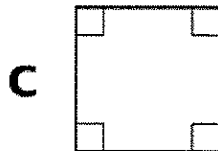
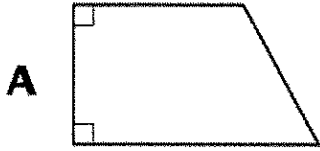
Show your work.

[5.MD.C.5c] 9) A candy store is building a display with two rectangular prisms. The base of each prism is a square with a side length of 5 inches. One prism is 12 inches tall and the other is twice as tall. The two prisms are stacked so that the pieces do not overlap. What is the total volume of the display?

- A) 36 cubic inches
- B) 60 cubic inches
- C) 180 cubic inches
- D) 900 cubic inches

Kali chose **A** as the correct answer. How did she get that answer?

[5.G.A.3] 10) Which figure shown below is a rectangle?



[4.NF.C.5] 11) Fill in each line with either 10 or 100 to make the equation true.

$$\frac{4}{\underline{\quad}} + \frac{20}{\underline{\quad}} = \frac{60}{100}$$

[4.NF.C.6] 12) Tell whether each equation is True or False

a. $\frac{2}{10} + \frac{21}{100} = \frac{21}{110} =$ _____ True _____ False

b. $\frac{4}{10} + \frac{4}{100} = \frac{44}{100} =$ _____ True _____ False

c. $\frac{1}{100} + \frac{9}{10} = \frac{19}{100} =$ _____ True _____ False

[4.NF.C.6] 13) What decimal names the same amount as $50/100$? Circle the letter of correct answer.

- A) 0.50
- B) 0.05
- C) 50.0
- D) 50.10

Abby chose B as the correct answer. How did she get that answer?

[4.MD.D.8] 14) Which decimal is less than 0.75?

- A) 0.9
- B) 0.94
- C) 0.80
- D) 0.7

[4.MD.A.2] 15) Victoria has two \$20 bills in her wallet. She spends \$12.25 on a gift and \$5.25 on wrapping paper. How much money does Victoria have left? Circle the letter of the correct answer.

- A) \$2.50
- B) \$17.50
- C) \$22.50
- D) \$27.75

Amir chose **A** as the correct answer. How did he get that answer?

16) (5.NBT.7) Mr. Pham wrote 2.619 on the board. Christy says it is two and six hundred nineteen thousandths. Amy says it is 2 ones 6 tenths 1 hundredth 9 thousandths. Who is right? Use words and numbers to explain your answer in a complete sentence.

17) (5.NF.2) Is it true that $(1\frac{2}{5}) - (\frac{3}{4}) = (\frac{1}{4}) + (\frac{2}{5})$? Prove your answer mathematically and explain your answer in a complete sentence.

18) (5.NF.2) Tiffany bought $\frac{2}{5}$ kg of cherries. Linda bought $\frac{1}{10}$ kg of cherries less than Tiffany. How many kilograms of cherries did they buy altogether?

19) (5.NF.1) Kim and Courtney share a 16-ounce box of cereal. By the end of the week, Kim has eaten $\frac{3}{8}$ of the box, and Courtney has eaten $\frac{1}{4}$ of the box of cereal. What fraction of the box is left?

20) (5.NBT.7) Miranda went to the store to purchase laundry detergent, Wise Potato Chips, and Oreo Cookies. The laundry detergent cost \$8.99, the Wise Potato Chips cost \$2.50, and Oreo Cookies cost \$4.49. Miranda paid the cashier with a \$20 bill. Show all of your work and answers in complete sentences for parts A & B..

1. How much money did Miranda spend on all of her groceries?

B) Should Miranda receive change back from the cashier or does she need to pay more than \$20? How much money should Miranda receive back or pay the cashier?

Performance Task

Answer the questions and show all your work on separate paper.

Your friend Sophie has asked you to check her math homework. She sends you a text message with the expressions she evaluated and the values she found. Unfortunately, she didn't include any parentheses in her message.

Copy each equation below. If the equation is true as written, write a check mark (✓) next to it. If the equation is not true, insert parentheses to make the equation true.

$$6 + 5 \times 3 - 1 = 32 \quad 12 \div 2 + 4 \times 5 = 10 \quad 15 - 3 + 4 \times 2 = 20$$

$$6 + 5 \times 3 - 1 = 16 \quad 12 \div 2 + 4 \times 5 = 26 \quad 15 - 3 + 4 \times 2 = 1$$

Then write a message to Sophie explaining why she needed to include the parentheses in order for you to check her homework.

Checklist

Did you . . .

- check your calculations?
- use order of operations?
- use complete sentences?

▶ Reflect

Use Mathematical Practices After you complete the task, choose one of the following questions to answer.

- **Be Precise** How did you decide where to insert the parentheses in each equation?
- **Use Structure** Consider the expression $6 + 7 \times 5 - 2$. Would you rewrite it as $6 + (7 \times 5) - 2$? Why or why not?

