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Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Calculators are NOT ALLOWED.

You have 45 minutes to complete the assessment. You may write on this document.

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1. Which expression is equivalent to 8(7 + x) after applying the **distributive property**?

a. 15 + x

b. 15 + 8x

c. 56x

d. 56 + 8x

(6.EE.3)

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2. A clothing store is raising the price of its sweaters by $3.00. Which expression could be used to find the new price of a sweater that originally cost *d* dollars?

a. d + 3

b. 3 d

c. d – 3

d. 3 – d

 (6.EE.2a, 6.EE.6)

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3. Plastic mugs are sold in packages of 16. Lids for the plastic mugs are sold in packages of 20. What is the least number of mugs and lids you can buy so that there is one mug for each lid with none left over?

 a. 4 mugs and 4 lids

 b. 80 mugs and 80 lids

 c. 160 mugs and 160 lids

 d. 240 mugs and 240 lids

(6.NS.4)

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4. What is the quotient when 2,800 is divided by 25?

 a. 2775

 b. 112

 c. 120

 d. 112

(6.NS.2)

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5. Find the product of 3.276 and .042.

 a. 3.318

 b. 0.137592

 c. 1.37592

 d. 3.23

(6.NS.3)

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6. You can buy 5 T-shirts at Target for the same price that you can buy 4 T-shirts at Kohl’s. If one T-shirt costs $10.40 at Kohl’s, how much does one T-shirt cost at Target?

 a. $41.60

 b. $53.00

 c. $10.40

 d. $8.32

 (6.EE.7)

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7. Find the quotient. Leave your answer as an improper fraction reduced to lowest terms.

 

 a. 

 b.

 c.

 d.

(6.NS.1)

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8. Find the product. Write answer as a mixed number reduced to lowest terms.

 a.

 b. 2

 c. 1

 d. 2

(6.NS.1)

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9. How many **full** - cup servings are in cup of yogurt?



 a. 0 full - cup serving

 b. 1 full - cup servings

 c. 2 full - cup servings

 d. 3 full - cup servings

(6.NS.1)

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10. Mr. Jones’ class has 16 girls and 20 boys. He would like to organize the class into equal-size groups. Each group will have only girls or only boys. How many groups of girls and how many groups of boys will there be?

 a. 4 groups of girls and 4 groups of boys

 b. 4 groups of girls and 5 groups of boys

 c. 5 groups of girls and 4 groups of boys

 d. 5 groups of girls and 5 groups of boys

(6.NS.4)

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11. The table gives the heights of 4 trees. Which tree is the tallest?

|  |  |
| --- | --- |
| Type of Tree | Height (feet) |
| Sycamore | 15.3 |
| Oak | 15.30 |
| Maple |  |
| Birch | 15.03 |

 a. Sycamore

 b. Oak

 c. Maple

 d. Birch

(6.NS.6.c)

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12. If x = 2.306 and y = .9987, find the sum of x + y.

 a. 3.3047

 b. 1.3073

 c. 12.293

 d. 7.681

(6.NS.3, 6.EE.2.c)

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13. 4  4 4 4 4 4 could also be written using exponents. Which expression creates an equivalent expression?

 a. 45

 b. 46

 c. 24

 d. 16

(6.EE.1)

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14. Jamie wrote an expression: 2(m + 5). Rickie wrote and expression: 2m + 10. Their teacher said that they had both written equivalent expressions. Which property can be used to show that the expressions are, indeed, equivalent?

 a. Identity (Zero) Property of Addition

 b. Commutative Property

 c. Distributive Property

 d. Associative Property of Addition

(6.EE.3, 6.EE.4)

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15. The 5 in the expression, 53, is called the

 a. Exponent

 b. Product

 c. Quotient

 d. Base

(6.EE.2.b)

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