

PS 89 Dr Lydia T Wright School Of Excellence

MATH GRADE 7: MAE7G 1 MATH GRADE 7

INSTANTLY SCORED TEST

Instructor: ALFRED KANYURU

Name: _____

Score: / 100

Question 1

/1

What is the value of n in the equation below?

$$2n+1 = 21$$

- A. 10
- B. 11
- C. 18
- D. 20

Question 2

/1

Simplify the following **expression**:

$$12xy - 15x + 6xy$$

- A. $-9xy$
- B. $3xy$
- C. $18xy - 15x$
- D. $6xy - 15x$

Name: _____

Question 3

/1

The temperature on a winter night in Kansas is -6 Celsius. The temperature

decreases by 8 Celsius. What is the new temperature, in degrees Celsius ?

- A. -2°C
- B. 2°C
- C. -14°C
- D. 14°C

Question 4

/1

Find 25% of 840.

- A) 210
- B) 420
- C) 1050
- D) 730
- E) 1680

Name: _____

Question 5

 /1

$$4(x + 6) + 2(3x - 5) =$$

- A) $4x + 14$
- B) $10x + 34$
- C) $10x + 14$
- D) $10x - 24$
- E) NOTA

Question 6

 /1

Nerissa has 5 pink bows, 1 blue bow, and 4 purple bows in a box.

She will randomly choose 1 bow from the box.

What is the probability Nerissa will choose a purple bow?

- $1/2$
- $2/5$
- $1/10$
- $3/5$

Name: _____

Question 7

/1

The cost of 3 pounds of grapes is \$6.57.

What is the constant of proportionality that relates the cost in dollars, y , to the number of pounds of grapes, x ?

- 6.57
- 3
- 2.19
- Not here

Question 8

/1

Kerry walks 3 miles each day.

How far will she walk in 7 days?

- 10 miles
- 14 miles
- 21 miles
- 24 miles

Name: _____

Question 9

/1

Which expression is equivalent to

$$3x - (2x + 4) + 5?$$

$x + 9$

$x + 1$

$5x + 9$

$5x + 1$

Question 10

/1

Which expression is equivalent to

$$2(3 - x) - 12 + 4x?$$

$3x - 6$

$3x - 7$

$2x - 6$

$2x - 7$

Name: _____

Question 11

/1

Helen made a graph that represents the amount of money she earns, y , for the numbers of hours she works, x .

The graph is a straight line that passes through the origin and the point $(1, 12.5)$.

Which statement must be true?

- The slope of the graph is 1.
- Helen earns \$12.50 per hour.
- Helen works 12.5 hours per day.
- The y-intercept of the graph is 12.5.

Question 12

/1

What is the value of this expression?

$$6 + (-9) - (-4)$$

- 11
- 7
- 1
- 19

Name: _____

Question 13

/1

What is the value of this expression?

$$12 \div 0.48$$

- 4
- 25
- 0.04
- 0.25

Name: _____

Question 14

/1

The computer teacher at a middle school spent \$12,950 to buy a storage cart and 25 laptop computers.

The total purchase is represented by this equation, where c stands for the cost of each laptop computer purchased.

$$25C + 450 = 12,950$$

What was the cost of each laptop computer that the teacher purchased?

\$536

\$518

\$500

\$475

Name: _____

Question 15

/1

What is the value of this expression?

$$2.4 \div 0.12$$

0.05

0.2

5

20

Question 16

/1

The manager of a company wants to survey a representative sample of the company's employees to choose a company logo.

Which of the following is a representative sample of the company's employees?

every third employee from the largest department in the company

every employee who enters the employee cafeteria

every third employee on the company's payroll

every employee who is under the age of 35

Name: _____

Question 17

/1

Consider this expression.

$$-4(x - 1) + 2$$

Which of the following is equivalent to the expression?

- $-4x - 8$
- $-4x - 2$
- $-4x + 1$
- $-4x + 6$

Question 18

/1

What is the solution to this equation?

$$17.56 + 5x = 30.16$$

- 6.032
- 3.512
- 12.6
- 2.52

Name: _____

Question 19

 /1

Dana has 8 baseball cards, 10 football cards, 4 hockey cards, and 14 basketball cards. All the cards are the same size and shape.

Dana will select one card at random.

What is the probability that the card selected will be a hockey card?

- 1 / 9
- 1 / 8
- 1 / 4
- 1 / 3

Question 20

 /1

The vice president of sales took a client out to lunch.

If the lunch was \$44 and she gave a 20% tip,

how much money did she spend on lunch?

- \$8.80
- \$35.20
- \$52.80
- \$53.80