

PS 89 Dr Lydia T Wright School Of Excellence

MATH GRADE 7: MAE7G 1 MATH GRADE 7

## GRADE 7 MATH WORKOUT SET 5

Instructor: ALFRED KANYURU

Name: \_\_\_\_\_

Score:  / 100

Question 1

/1

The table shows how many T-shirts of each color Paul has in his closet.

Color	Number of Shirts
Green	3
Red	4
White	5
Blue	8
Total	20

If Paul chooses a T-shirt without looking, what is the probability that it will be blue?

- 4%
- 8%
- 40%
- 60%

Question 2

/1

Jeremy can plant 10 trees in 4 hours.

How many trees can he plant in 10 hours?

- A. 16
- B. 25
- C. 40
- D. 100

Name: \_\_\_\_\_

Question 3

/1

The lowest temperature on a winter morning was  $-8^{\circ}\text{F}$ .

Later that same day the temperature reached a high of  $24^{\circ}\text{F}$ .

By how many degrees Fahrenheit did the temperature increase?

- A.  $3^{\circ}$
- B.  $8^{\circ}$
- C.  $16^{\circ}$
- D.  $24^{\circ}$
- E.  $32^{\circ}$

Question 4

/1

What is the value of

$\frac{1}{5}(6 + 8.5)$ ?

- A. 2.9
- B. 7.7
- C. 9.7
- D. 14.9

Name: \_\_\_\_\_

Question 5

/1

Last year, Ted's salary was \$42,000.

He donated  $\frac{1}{25}$

of last year's salary to charity. How much did Ted earn last year after his donation?

A. \$31,500

B. \$40,320

C. \$43,680

D. \$52,500

Question 6

/1

A grocery store charges \$0.75 per donuts.

Which equation can be used to find  $c$ , the total cost, in dollars, to buy  $d$  donuts?

$c = 0.75 + d$

$c = 0.75d$

$d = 0.75 + c$

$d = 0.75c$

Name: \_\_\_\_\_

Question 7

/1

Which expression is equivalent to  $6x + 7.5$ ?

- A.  $3(2x - 2.5)$
- B.  $3(2x + 2.5)$
- C.  $3(2x - 7.5)$
- D.  $3(2x + 7.5)$

Question 8

/1

Aubrey is running for student council president.

She estimates her chances of winning to be  $1/5$ .

Which likelihood describes Aubrey's estimated chances of winning?

- A. impossible
- B. unlikely
- C. likely
- D. certain

Name: \_\_\_\_\_

Question 9

/1

$$9(x + 3) - (2x + 5) =$$

- A)  $-11x - 2$
- B)  $7x - 32$
- C)  $11x - 22$
- D)  $7x + 22$
- E)  $-7x + 27$

Question 10

/1

Jorge writes the expression  $0.88x$  to represent the final cost of a shirt.

Which statement about the original cost of the shirt,  $x$ , is true?

- A. To get the final cost of the shirt, the original cost of the shirt is decreased by 12%.
- B. To get the final cost of the shirt, the original cost of the shirt is decreased by 88%.
- C. To get the final cost of the shirt, the original cost of the shirt is increased by 12%.
- D. To get the final cost of the shirt, the original cost of the shirt is increased by 88%.