

PS 89 Dr Lydia T Wright School Of Excellence

MATH GRADE 7: MAE7G 1 MATH GRADE 7

GRADE 7 MATH WORKOUT SET 3

Instructor: ALFRED KANYURU

Name: _____

Score: / 100

Question 1

/1

A middle school principal wants to change the lunch menu at the school.
The principal

surveys the students to determine how the students would feel about the changes.

Which survey method will produce the best representative sample?

- A. survey every fifth student who rides in a car to school
- B. survey 3 randomly selected students from every homeroom
- C. survey every tenth seventh grade student during lunch
- D. survey 5 randomly selected students from every art, drama, and music class

Question 2

/1

Solve the equation below for x.

$$4(x + 5) = 36$$

- A. 3
- B. 4
- C. 5
- D. 6

Name: _____

Question 3

/1

The population of a city is expected to increase by 9.25% next year.

If p represents the current population, which expression represents the expected population next year?

A. $1.925p$

B. $p + 0.0925$

C. $1.0925p$

D. $1 + 0.0925$

Question 4

/1

The Bills won 7 games last year. This year the Lions won 10 games.

What is the percent increase in the number of games the Bills won

from last year to this year?

A. 30%

B. 43%

C. 70%

D. 143%

Name: _____

Question 5

/1

Hector spent \$17 for a tube of paint and 5 brushes. The tube of paint cost \$8.

Which equation can be used to find b , the cost of each brush?

A. $17 = 5b + 8$

B. $17b = 5 + 8$

C. $17 = 8b + 5$

D. $17 = b + 5 + 8$

Question 6

/1

What value of x makes the equation below true?

$$6x - 9 = 39$$

A. 5

B. 8

C. 13

D. 24

Name: _____

Question 7

/1

Simplify the following expression:

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

A. $-9xy$

B. $3xy$

C. $18xy - 15x$

D. $6xy - 15x$

Question 8

/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. $-2C$

B. $2C$

C. $-14C$

D. $14C$

Name: _____

Question 9

 /1

Mark bought 0.72 pound of almonds for \$4.68.

What was the cost of 1 pound of almonds?

- A. \$3.37
- B. \$3.96
- C. \$5.40
- D. \$6.50

Question 10

 /1

Of the 250 sheep in a flock, 34% are white.

What is the total number of white sheep in the flock?

- A 85
- B 216
- C 165
- D Not here