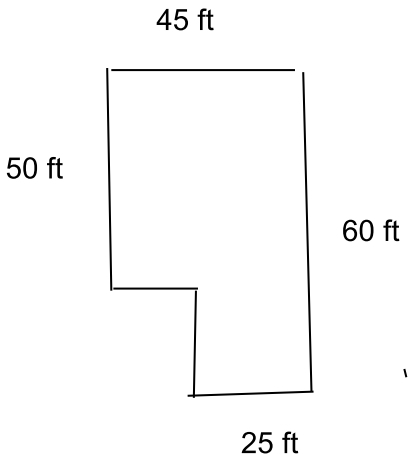
MATH TIMED DRILL #5 (8 minutes)

(Needs to be finished)



18. If Camryn uses 1 box of tile per 500 square feet to be tiled, how many boxes of tile will she use to tile the region above?

A) $3\frac{1}{2}$

B) 5

C) $5\frac{2}{5}$

C) $5\frac{4}{5}$

D) 6

14. What is 120% of 2,000 ?

F) 400

G) 400

H) 2,200

J) 2,400

K) 4,000

$2x + 3y = 4$

$y = 2x$

11. If the ordered pair *(x,y)* satisfies the system of equations above, what is the value of *x*?

F) $\frac{1}{3}$

G) $\frac{1}{2}$

H) 1

J) 2

K) 3

$5x + 2y = 22$

$4x + y = 17$

17. In the system of equations above, what is the value of *x + y?*

A) 2

B) 3

C) 4

D) 5

E) 6

39. In $\triangle$ *ABC,* the measure of $\angle$ *A* is 51 degrees and the measure of $\angle$ *B* is 48 degrees. Which of the following inequalities concerning the lengths of the sides of the triangle is true*?*

A) $BC > AB$

B) $AC + BC > AB$

C) $AC > BC$

D) $AB > AC$

E) $AC > AB$

7. Kristina plans to put a fence around her 12-meter-by-14-meter yard. To determine the amount of fencing she needs, she must calculate the perimeter of the yard. What is the perimeter, in meters, of her yard*?*

A) 26

B) 52

C) 56

D) 84

E) 168

12. The value of a famous painting has risen 4 $\frac{1}{2}$ percent this year over last year. If the painting was worth $120,000 last year, what is the value of the painting this year?

F) $120,450

G) $125,400

H) $140,000

J) $365,000

K) $480,000

21. The shadows of a fence post and a nearby flagpole (both vertical and on level ground) were measured at the same time. The fence post's shadow was 3 meters long and the flagpole's shadow was 10 meters long. If the fence post is 6 meters tall, about how many meters tall is the flagpole?

F) 5

G) 18

H) 20

J) 22

K) 30

19. The diameter of a television is 18 inches wide and 24 inches long. About how many inches is the diagonal of the television?

F) 21

G) 30

H) 42

J) 441

K) 900