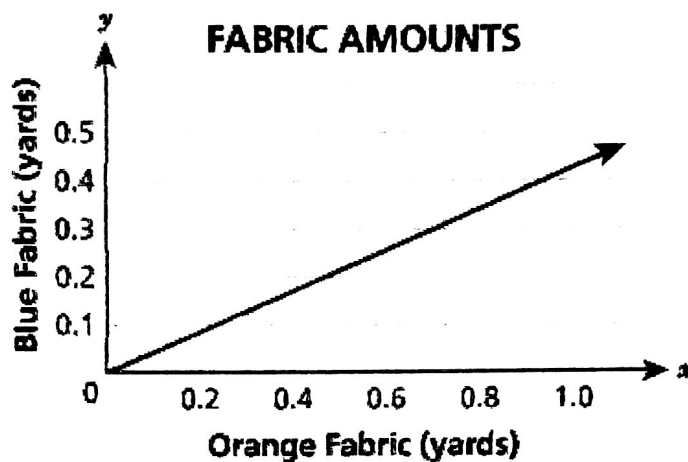


- 41 Maya uses blue and orange fabric to make identical wall decorations. The graph below shows the relationship between the amounts of blue and orange fabric used.



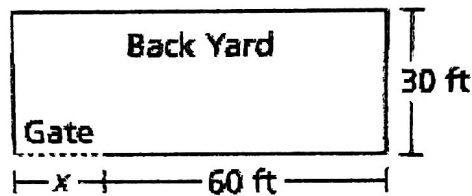
What is the constant of proportionality as shown in the graph?

- A $\frac{3}{10}$
- B $\frac{2}{5}$
- C $\frac{3}{7}$
- D $\frac{1}{2}$
- 42 Lance bought n notebooks that cost \$0.75 each and p pens that cost \$0.55 each. A 6.25% sales tax will be applied to the total cost. Which expression represents the total amount Lance paid, including tax?
- A $0.0625(n + p) + 0.0625(0.75n + 0.55p)$
- B $(0.75n + 0.55p) + 0.0625(0.75n + 0.55p)$
- C $0.75(0.0625n) + 0.55(0.0625n)$
- D $0.75(1.0625n) + 0.55(1.0625n)$

GO ON

- 43 A recycling plant processes an average of $\frac{1}{3}$ ton of glass each minute. At approximately what rate does the recycling plant process glass, in tons per day? (1 day = 24 hours)
- A 20
B 180
C 480
D 4,320

- 44 When Keisha installed a fence along the 200-foot perimeter of her rectangular back yard, she left an opening for a gate. In the diagram below, she used x to represent the length, in feet, of the gate.



What is the value of x ?

- A 10
B 20
C 25
D 30
- 45 Last year 950 people attended a town's annual parade. This year 1,520 people attended. What was the percent increase in attendance from last year to this year?
- A 37.5%
B 57.0%
C 60.0%
D 62.5%