

Translate Only: Twice the square of some number is equal to 5 less than 3 times the number. Let x be the number $2\chi^2 = 3\chi -5$:h.1

3.25% of what number is 2600?

$$\frac{P}{100} = \frac{Part}{whole} \quad "whole comes after of"
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$$\frac{P}{100} = \frac{Part}{whole} \quad P (ross - Mu | Hip | y)$$

$$\frac{3.25}{100} = \frac{2600}{x} \quad 3.25 \chi = 100 (2600)$$

$$3.25 \chi = 260000$$

$$\chi = \frac{260000}{3.25} \quad \chi = 80,000$$

$$3.25\% \quad (h.2)$$$$$$

There are 40 computers for 75 Students.
At this rate, how many computers for
4500 Students?

$$\frac{40 \text{ Comp.}}{75 \text{ Students}} = \frac{x \text{ Comp.}}{4500 \text{ Students}}$$

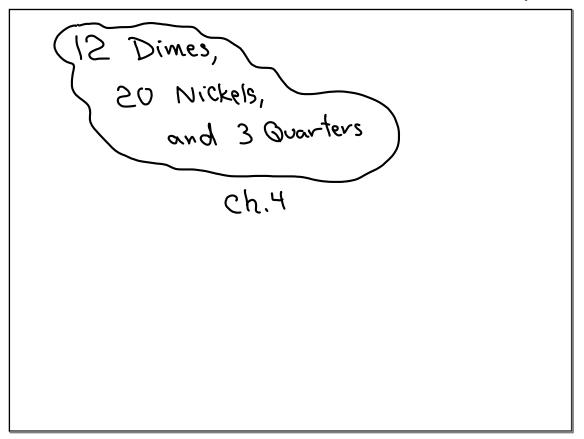
 $\frac{40}{75} = \frac{x}{4500}$
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 $\frac{40}{75} = \frac{x}{4500}$
 $\frac{10}{75} \text{ Students}$
 2400 Computers
 $x = \frac{40(4500)}{75}$
 $x = \frac{40(4500)}{75}$
 $x = 3400$

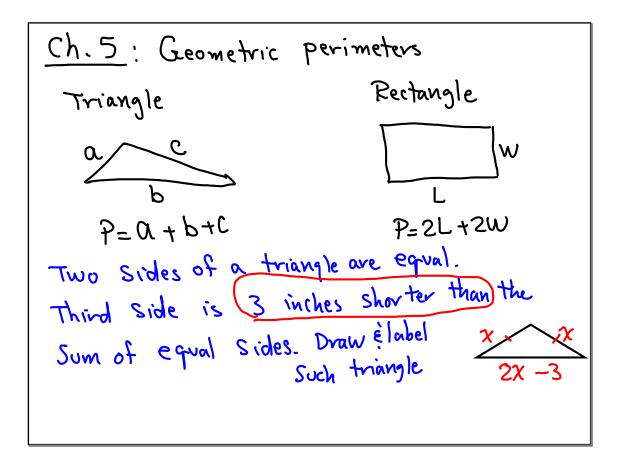
Marva bought 64 books.
Math
$$\dot{\epsilon}$$
 English only.
The number of Math books were I more than
G times the number of English books.
How many math books did she buy?
Math $\Rightarrow 6x + 1 \Rightarrow 6(9) + 1$
English $\Rightarrow x = 55$
 55 Math Books
 $\chi = 63$
 $\chi = 63$
 $\chi = 63$

Jack has 35 Coins
Nickels, Dimes, and Quarters.
the number of dimes is 4 times the number of
Quarters.
The number of nickels is 1 fewer than 7 times
the number of nickels is 1 fewer than 7 times
the number of quarters.
How many of each?
Total is 35
Dimes 4 Nickels + Quarters = 35

$$12\chi = 35$$

 $12\chi = 36$
 $\chi = 3$





September 23, 2016

A triangular garden has a perimeter of
20 St. One Side is 6St. The other two
Sides are equal. Find the missing sides.

$$P = 20$$

 $a + b + c = 20$
 $x + 6 + x = 20$
 $2x + 6 = 20$
 $2x = 20 - 6$
 $2x = 14$
 $x = \frac{14}{2}$ $x = 1$

the perimeter of a triangle is 33 m.
One Side is twice another Side.
Third Side is 3 m Shorter than the Sum
of other two Sides.

$$P = 33$$

Side 1 + Side 2 + Side 3 = 33
 $x + 2x + 3x-3 = 33$
 $6x - 3 = 33$
 $6x - 3 = 33$
 $6x = 33 + 3$
 $6x = 36$
 $x = 36$
 $x = 36$
 $6x = 36$

the length of
$$\omega$$
 rectangular carpet is
2 ft longer than its width.
Perimeter is 76ft.
find its dimensions. $W=X$
 $P=76$
 20 ft
 20 ft
 20 ft
 20 ft
 18 ft
 20 ft
 $1=x+2$
 20 ft
 $1=x+2$
 20 ft
 $1=x+2$
 $2(x+2)+2(x)=76$
 $1x+2x=76$
 $4x+4=76$
 $4x+4=76$
 $4x=76-4$
 $x=18$

A rectangular pool has a perimeter of
44 meters.
The length is 1 m longer than twice the width.
Sind the length

$$P = 44$$
 W_{2}
 $2L + 2W = 44$ W_{2}
 $2(2x+1) + 2x = 44$ $L = 2x + 1$ C) 15
 $4x + 2 + 2x = 44$ $L = 2(7) + 1$ D) 5m
 $6x + 2 = 44$ $X = 42$
 $6x + 2 = 44$ $X = 42$