

Dec. 18

7. Get x by itself

$$y - \overset{-b}{b} = mx + b - \overset{-b}{b}$$

$$\frac{y - b}{m} = \frac{mx}{m}$$

$$x = \frac{y - b}{m}$$

3. Given: \$12.00 in dimes, loonies & quarters. total of 36 coins
 One more dime than quarters &
 $\frac{1}{2}$ as many loonies as quarters

Find: how many quarters

Let $x = \#$ of quarters

then $x+1 = \#$ of dimes

and let $\frac{x}{2} = \#$ of loonies

Value

$0.25x$

$0.10(x+1)$

$1.00\left(\frac{x}{2}\right) = 0.50x$



D

S

T

Plane A $600x$ 600cm x

Plane B $700(x - 0.25)$ 700cm $x - 0.25$

Let $x = \text{Plane A's time}$

$$600x = 700(x - 0.25)$$

$$600x = 700x - 175$$

$$-100x = -175$$

$$x = 1.75$$

P. 377 Distance Problems Cont'd Dec 18

26. Given: Two friends leave at same time. Elsa from Winnipeg 80 km/h and Gina from Edmonton @ 90 km/h. The total distance is 1360 km

Find: how long did it take them to meet

Elsa
Gina
Total

Distance	Speed	Time
80x	80 km/h	x
90x	90 km/h	x
1360		



Homework:

finish review handout

finish p. 377

textbook review 60-69d
p. 385-6 73, 74, 75

Let x = the time it takes for them to meet

$$80x + 90x = 1360$$

$$\frac{170x}{170} = \frac{1360}{170}$$

$$x = 8$$

It takes them 8 hours to meet, if
they made no stops

u

25, 27