

P. 367

Dec 9/15

#23 ^{Given} Team Canada scored 35 more goals than were scored against

Total games played was 41.

Find: how many goals did Canada score + how many were scored against them

Let x = # of goals scored against
then let $x + 35$ = goals Canada scored

$$x + x + 35 = 41$$

$$2x + 35 = 41$$

$$\frac{2x}{2} = \frac{6}{2}$$

$$x = 3$$

∴ The goals scored against Canada were 3 and the goals scored by Canada were 38

28. Given: Aretha has \$0.85 in nickels + dimes. She has 2 more nickels than dimes.

Find: how many nickels + dimes

Let x = the # of dimes

Then let $x+2$ = the # of nickels

$$0.10x + 0.05(x+2) = 0.85$$
$$0.10x + 0.05x + 0.10 = 0.85$$
$$0.15x + 0.10 = 0.85$$



Additional Homework Questions

1. Greg has 3 more nickels than dimes and 2 more quarters than dimes. If he has \$3.45 altogether, how many coins of each type does he have?

2. Rita has two more dimes than quarters. If she has \$3.35 altogether, how many of each type of coin does she have?

Homework: Full Solutions

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30, 32, 33, 35