6.6 Word problems

20000	T Tolerania	AND DESCRIPTION	200

6.6.6

E Question Help ♦

Yesterday, a showle theater sold 309 bags of popours. A large bag of popours costs \$4, A small beg of popours costs \$1. In all, the movie theater made \$687 from popours sales. Write and solve a system of equations to find how many bags of each size of popours were sold.

The movie theater sold \bigcap large bags of popcorn and \bigcup small bags of popcom.

6-6 Homework G 🔻

6.6.10

∰ Question Help 🌣

Age: If you add Natale's age and Fred's age, the result is 39. If you add Fred's age to 3 times Natale's age, the result is 89. Write and solve a system of equations to find how old Fred and Natale are.

Fred is years old. Natalie is years old.

6-6 Homework G

6.6.11

🕮 Question Help 🌣

Estimation. The perimeter of a rectangle in about 15.9 cm. If you double the width of the rectangle the perimeter is about 21.8 cm. Find the dimensions of the amatier rectangle. Round the given values to the neutral integer. Use the rounded values to write and solve a system of equations to find the length and the width of the rectangle.

The length is about __ cm and the width is about __ cm (Type whole numbers.)

ework G 🔻	
6.6.19	III Question Help · ✿
mention in their mounted that were purchased fro other shops.	nurties; a tire purchased from the shop. The repair shop charges \$0 for mounting a tire that was purchased from meaning tires were \$783. The number of tires mounted and purchased from the shop was \$79 has 4 tirres trig, or other shops. Write and solve a system of equations to find the number of sires purchased from the shopped of tirin shop and
	and the purchased from oner shops.

6.6.16

Two surplanes are currying food and medical supplies to a country in medi. One simplane is carrying 88 medis and 54 medical his. The total cost for the supplies on that simplane is \$762. The other airplane is carrying 78 modes and 54 medical his. The total cost for the supplies on that simplane is \$27. What and solve a system of equations to find the period of one mediand the price of one medical hit. If a fixed arplane is carrying 70 meals and 61 medical bits, what is the total cost of aupplies?

The price for one meet is \$__. The price for one medical kit is \$__.

6.6 word problem examples

6-6 Homework G

6.6.6

@ Question Help

₽

Yeslerday, a movie theater sold 309 bags of popcom, A large bag of popcom coats \$4, A small bag of popcom coats \$1, In all, the movie theater made \$887 from popcom sales. Write and solve a system of equations to find how many bags of each size of popcom were sold.

The movie theater sold [] large bags of popcorn and [] small bags of popcorn.

quantity 41+ 1s = 687

$$\begin{array}{r}
 1.4 = 309 \\
 -41.15 = 687 \\
 -31 = -378
\end{array}$$

$$126 + S = 309$$

 -126 -126

$$S = 183$$

6-6 Homework G

6.6.10

₩ Question Help

Ġ

Age. If you add Natalie's age and Fred's age, the result is 39. If you add Fred's age to 3 times Natalie's age, the result is 69. Write and solve a system of equations to find how old Fred and Natalie's age.

Fred is ___ years old, Natalle is ___ years old.

$$N+F=39$$

 $F+3N=69$

$$F+N=39$$

- $F+3N=69$
- $ZN=-30$

N+F=39 15+F=39 -15

F = 24

6-6 Homework G

6.6.11

Question Help

p 🌣

Estimation. The perimeter of a rectangle is about 15.9 cm. If you double the width of the rectangle the perimeter is about 21.8 cm. Find the dimensions of the smaller rectangle, Round the given values to the nearest integer. Use the rounded values to write and solve a system of equations to find the length and the width of the rectangle.

The length is about ___ cm and the width is about ___ cm (Type whole numbers.)

$$2l+2w=15.9$$

 $2l+2(2w)=21.8$

$$-2l+2w=15.9$$

$$-2l+4w=21.8$$

$$-2w=-5.9$$

$$-2$$

$$w=+2.95$$

$$W=3$$
 $2l+2(3)=15.9$
 $2l+6=15.9$
 $2l=9.9$

6.6.5

At a basketball game, a team made 59 successful shots. They were a combination of 1- and 2-point shots. The team scored 98 points in all, Write and solve a system of equations to find the number of each type of shot,

There were 2-point shots and 1-point shots

of Shots

$$x+y=59$$

of

of points
$$1x + ay = 98$$

$$x+y=59$$
 $-x+2y=98$
 $-y=-39$
 $y=39$

$$\chi + y = 59$$

 $\chi + 39 = 59$
 $-39 - 39$
 $\chi = 20$
(1 pt.
Shots)

6.6.19

Challenge A car repair shop charges \$1 for mounting a tire purchased from the shop. The repair shop charges \$6 for mounting a tire that was purchased from another shop. Last mouth, the total charges for mounting tires were \$783. The number of tires mounted and purchased from the shop was \$79 less 4 times the number of tires mounted that were purchased from other shops. Write and solve a system of equations to find the number of tires purchased from the shop and from other shops.

The shop mounted [] tires purchased from the shop and [] tires purchased from other shops

E Question Help

The price for one meal is \$ ___. The price for one medical kit is \$ ___.

66m +54K=762 Pa-79m +54K=827

$$-13m = -65$$

$$m = 5$$

P3 -7 70(5) = 350

66(5)+54K=762 330 +54K=762 -330

54K= 432 K=8 P3 7 \$8(61)=