

A: One-Step Equations Continued

4. The height of a giraffe is 15 times the height of a house cat. A giraffe can grow to 6m. What is the height of a house cat.

x - height of a cat

giraffe is 15 times cat.

$$6 = 15 \times x$$

$$6 = 15x$$

$$15x = 6$$

$$\frac{15x}{15} = \frac{6}{15}$$

$$x = 0.4m$$

The height of a house cat is 0.4m.

5. The numbers of girls who play hockey are $\frac{1}{9}$ the number of girls who do not play hockey. About 8% of girls play hockey. What percent do not?

x - percent of girls who do not play hockey

hockey are $\frac{1}{9}$ not hockey

$$8\% = \frac{1}{9} \times x$$

divide by 100

$$0.08 = \frac{1}{9} \times \frac{x}{1}$$

$$0.08 = \frac{x}{9}$$

$$\frac{x}{9} = 0.08$$

$$\cancel{\frac{x}{9}} \times 9 = 0.08 \times 9$$

$$x = 0.72$$

The percentage of girls who do not play hockey is 72%. \rightarrow

Assignment: Pg. 378 #19-26

#21-26 show all 4 "steps"

x - statement

equation

Solve

Sentence.