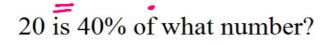
Math 7H

Tanuary 31, 2012 No homework to correct so get out your notes.

4/30 - Percent Equations - Finding the Whole

If you got a score of 32 on a test and you ended up with an 80%, how many points were possible on the test?

your score = part total possible = Whole



75% of what $\frac{2}{15}$ 36?

↑
Score or total possible?

Score or total possible?

Method 1: Decimals

$$\frac{20}{40} = \frac{100}{100}$$

$$75 n = 36$$

$$175 n = 48$$

$$75) 3600$$

$$300$$

$$600$$

20 is 40% of what number?

75% of what is 36?

Method 2: Fractions

$$20 = \frac{40}{400} n$$

$$\frac{5}{20} = \frac{3}{20} n$$

$$\frac{5}{20} = \frac{3}{20} n$$

$$\frac{5}{20} = \frac{3}{20} n$$

$$\frac{100}{75} \frac{75}{100} n = \frac{36}{75} \frac{100}{75}$$

$$100 = 48$$

Which method would be easier?

150 is 20% of what?

$$150 = .20 \text{ n}$$
 $150 = \frac{20}{00} \text{ n}$

12% of what is 30?

$$12 n = 30$$
 $(2 n = 30)$

12 is 2% of what?

$$12 = .02 \text{ N}$$

78% of what is 85?

$$\frac{78}{100}N = 85$$

Use a calculator for these:

139.2 is 70% of what?

31.7 is 24% of what?

$$139.0 = 700$$

 $100 = 100$
 $100 = 100$
 $139.2 = .70$
 $178.9 = 10$

 $139.2 \div 0.7 = 198.85 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 714285 + 71428$

$$\frac{31.7}{.24} = \frac{.84}{.24}$$

$$132.1 = 0$$

HOMEWORK

Green Worksheet 2 #1-20all 5 as fractions 15 as decimals Due?