CRYPTIC QUIZ

1. What should the JOLLY GREEN GIANT receive?

$\overline{\quad}$ $\overline{\quad}$ $\overline{\quad}$ $\overline{\quad}$ $\overline{\quad}$ $\overline{\quad}$ $\overline{\quad}$ $\overline{\quad}$ $\overline{\quad}$ $\overline{\quad}$ $\overline{\quad}$ $\overline{\quad}$ $\overline{\quad}$ $\overline{\quad}$ $\overline{\quad}$ $\overline{\quad}$ $\overline{\quad}$ $\overline{\quad}$ $\overline{\quad}$
6   5   18   11   16   15   52   18   70   2   80   18   9   12   13   80   20   30   1   18

2. Why did it take the GOAT more than 3 hours to finish a 20-page book?

5   18   21   8   9   12   16   6   24   4   18   20   3   60   5   10   16   7   20   3

> Solve each proportion and find your answer in the code. Each time the answer appears, write the letter of the exercise above it.

(I) $\dfrac{2}{5} = \dfrac{12}{n}$ (S) $\dfrac{3}{4} = \dfrac{9}{n}$ (G) $\dfrac{6}{2} = \dfrac{21}{n}$

(O) $\dfrac{10}{4} = \dfrac{n}{6}$ (Y) $\dfrac{5}{15} = \dfrac{n}{9}$ (T) $\dfrac{12}{8} = \dfrac{n}{4}$

(U) $\dfrac{2}{n} = \dfrac{5}{25}$ (A) $\dfrac{33}{n} = \dfrac{11}{3}$ (L) $\dfrac{49}{n} = \dfrac{7}{10}$

(V) $\dfrac{n}{6} = \dfrac{6}{9}$ (Z) $\dfrac{n}{4} = \dfrac{18}{72}$ (H) $\dfrac{n}{2} = \dfrac{50}{20}$

(W) $\dfrac{14}{n} = \dfrac{7}{4}$ (E) $\dfrac{8}{12} = \dfrac{12}{n}$ (B) $\dfrac{n}{13} = \dfrac{4}{1}$

(R) $\dfrac{24}{6} = \dfrac{n}{5}$ (N) $\dfrac{n}{10} = \dfrac{40}{25}$ (P) $\dfrac{24}{n} = \dfrac{30}{100}$

What Did Snidely Say After Filling His Car With Super Premium, TopTest, Power Plus Gasoline?

Solve each problem and find your answer in the rectangle below. Cross out the box that contains your answer. When you finish, write the letters from the remaining boxes in the spaces at the bottom of the page.

(1) The Jelly Junior High school color is made by mixing red paint with yellow paint. The ratio of red to yellow is 3 to 5. How much red paint should be mixed with 20 oz of yellow?

_____ oz

(2) The Lawn Order lawnmower factory can produce 12 lawnmowers in 8 hours. How many hours will it take the factory to produce 30 lawnmowers?

_____ h

(3) An object that weighs 10 lb on Earth would weigh only 4 lb on Mars. If you weigh 95 lb on Earth, how much would you weigh on Mars? _____ lb

(4) The ratio of orange juice to pineapple juice in Tropical Treat punch is 4 to 3. Bill has 64 oz of orange juice. How much pineapple juice does he need?

_____ oz

(5) A cookie recipe for 60 cookies calls for 4 cups of flour. How much flour is needed to make 90 cookies?

_____ cups

(6) Jose can read 7 pages of his book in 5 minutes. At this rate, how long will it take him to read the entire 175-page book? _____ min

(7) While exercising, Julie found that her heart was beating 12 times every 5 seconds. How many times was it beating per minute (60 seconds)?

_____

(8) If there are 1,200 calories in 8 oz of hot fudge, how many calories are in 3 oz of hot fudge? _____ cal

(9) At a certain college, the ratio of men to women is 6 to 5. If there are 1,500 men, how many women are there?

_____

(10) One of the world's largest stained-glass windows is at Kennedy international Airport in New York. It is a rectangle with a height to length ratio of 2 to 25. If the window is 24 feet high, how long is it? _____ ft

HI	PU	TA	KE	EP	JU	NK	IN
450	48	1,210	300	12	125	340	20
GO	TO	HO	OD	NE	ED	GA	SS
136	1,250	6	15	40	144	38	7

Did You Hear About...

A	B	C	D	E	F
G	H	I	J	K	L ?

Use a calculator to do each exercise. Find your answer and
notice the word next to it. Write this word in the box containing
the letter of the exercise.

I. Solve. Round each answer to the nearest tenth.

(A) $\dfrac{7.5}{12} = \dfrac{4.2}{x}$ 　　　(B) $\dfrac{15}{8} = \dfrac{80}{x}$

(C) $\dfrac{6}{9.4} = \dfrac{x}{32}$ 　　　(D) $\dfrac{7.9}{x} = \dfrac{1}{25}$

(E) $\dfrac{12}{x} = \dfrac{3.14}{1}$ 　　　(F) $\dfrac{x}{58} = \dfrac{37.5}{100}$

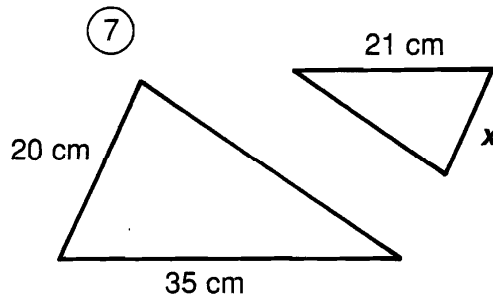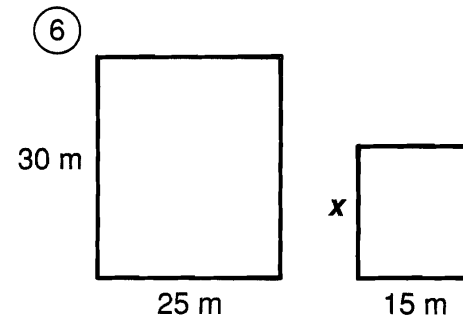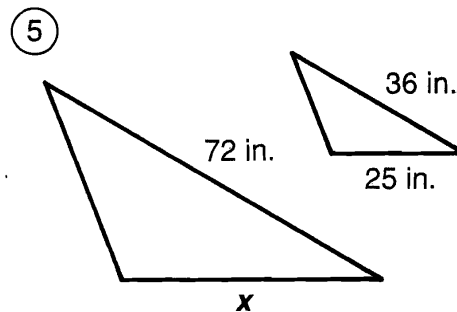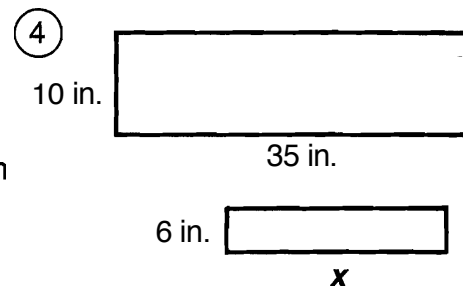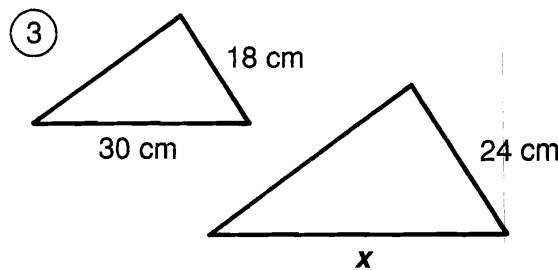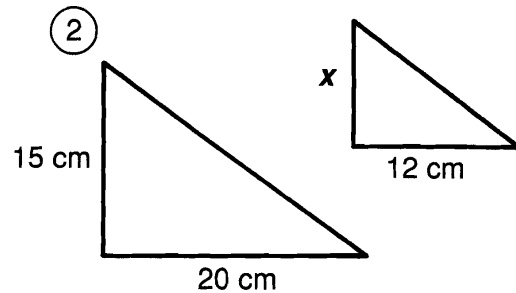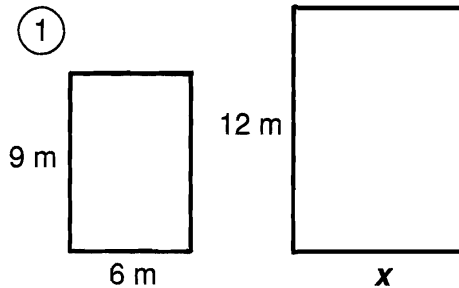II. Solve. Round each answer to the nearest whole number.

(G) Tom's red bicycle travels 50 ft for every 3 pedal turns. How
many pedal turns are needed to travel a mile (5,280 ft)?

(H) For a survey, a company decided to call 7 out of every 5,000
people. How many people should be called in a town of
78,000 people?

(I) Gloria Trench checked her gas mileage and found that she
had used 16.6 gal of gas to travel 372 mi. At this rate, how
many gallons will she use to travel from San Francisco to
Washington, D.C., a distance of 2,850 mi?

(J) A U.S. nickel contains 3.9 g of copper and 1.2 g of nickel.
How many kilograms of copper must be combined with 500
kg of nickel to make nickel coins?

(K) On the stock exchange, 100 shares of Pizzazz Corp. stock
are selling for $425. How many shares can be purchased for
$1,000?

(L) At Paul Bunyon's logging camp, the cook scrambled 20
eggs for every 3 loggers. How many eggs did he need for
the 288 loggers at the camp?

24.7 PIECES
21.8 STORIES
1,840 FAINTED
197.5 DROPPED
19.6 THAT
1,625 CAN
6.7 THE
116 BOX
20.4 WHO
127 TRASH
1,355 PILE
317 INTO
235 AND
3.8 TEN
42.7 WRITER
109 A
324 FROM
1,920 LIVED
211.5 WROTE

What Is a Termite's Favorite Breakfast?

For each pair of similar figures, find the length x. Cross out the letter next to your answer. When you finish, the answer to the title question will remain.

E	9 cm
L	14 cm
T	15 ft
A	20 m
G	50 in.
G	8 m
E	24 in.
S	12 cm
M	16 ft
K	46 m
D	21 in.
A	44 cm
C	10 cm
O	18 m
O	48 in.
F	40 cm
W	42 m

① 9 m, 12 m, 6 m, x

② 15 cm, x, 20 cm, 12 cm

③ 18 cm, 30 cm, 24 cm, x

④ 10 in., 35 in., 6 in., x

⑤ 36 in., 72 in., 25 in., x

⑥ 30 m, 25 m, x, 15 m

⑦ 21 cm, 20 cm, 35 cm, x

⑧ 20 m, 14 m, 60 m, x
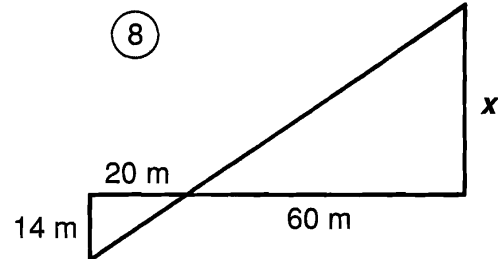
⑨ A flagpole casts a shadow 10 ft long. If a man 6 ft tall casts a shadow 4 ft long at the same time of day, how tall is the flagpole?

⑩ A photograph is 25 cm wide and 20 am high. It must be reduced to fit a space that is 8 cm high. Find the width of the reduced photograph.