Books Never Written

• *World's Most Fun Algebra Problems* by

$\overline{5.6}$ $\overline{67.5}$ $\overline{10.5}$ $\overline{10.5}$ $\overline{6.9}$ $\overline{2.5}$ $\overline{4.4}$ $\overline{15.8}$ $\overline{4.4}$ $\overline{13.3}$ $\overline{140}$ $\overline{140}$ $\overline{\frac{ac}{b}}$ $\overline{140}$ $\overline{4.9}$ $\overline{\frac{ab}{c}}$ $\overline{2.5}$

• *Your Dad at the Beach - First Aid Tips* by

$\overline{75.4}$ $\overline{17.0}$ $\overline{70}$ $\overline{10.5}$ $\overline{13.3}$ $\overline{6.1}$ $\overline{3.7}$ $\overline{20.4}$ $\overline{67.5}$ $\overline{70}$ $\overline{2.5}$ $\overline{35.2}$ $\overline{12}$ $\overline{2.8}$ $\overline{17.0}$ $\overline{26.7}$ $\overline{6.1}$ $\overline{70}$

Find each solution in the code. Each time it appears, write the letter of the exercise above it.

Solve the proportion. Round to the nearest tenth.

H $\frac{4}{7} = \frac{n}{12}$ **A** $\frac{x}{9} = \frac{15}{2}$ **N** $\frac{8}{a} = \frac{30}{23}$ **Y** $\frac{5}{16} = \frac{11}{y}$

O $\frac{2.5}{9.2} = \frac{k}{18}$ **E** $\frac{20}{8.7} = \frac{5.8}{m}$ **U** $\frac{29}{u} = \frac{75}{44}$ **C** $\frac{b}{0.6} = \frac{17}{0.5}$

I $\frac{100}{62.5} = \frac{t}{8.3}$ **M** $\frac{v}{7.5} = \frac{7.5}{10}$ **B** $\frac{9.47}{p} = \frac{3.33}{1}$ **J** $\frac{1}{3.14} = \frac{24}{q}$

Write the sentence as a proportion. Then solve for x.

W x is to 8 as 5 is to 9   **R** 4 is to 3 as x is to 20   **V** x is to a as b is to c

Solve mentally.

A color called Passion Pink is made by mixing red paint and white paint in a ratio of 2 to 7. How many drops of white paint do you need:

S If you use 20 drops of red paint?

L If you use 40 drops of red paint?

T If you use 3 drops of red paint?

Ratio, Proportion, and Percent:
Solving Proportions