

# Books Never Written

- *World's Most Fun Algebra Problems* by

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

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

75.4 17.0 70 10.5 13.3 6.1 3.7 20.4 67.5 70 2.5 35.2 12 2.8 17.0 26.7 6.1 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

$$\frac{x}{8} = \frac{5}{9}$$

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:

$$\frac{2}{7} = \frac{20}{x}$$

**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?

