Solving Proportions
By David Pleacher

KNOCK!   KNOCK!

WHO'S THERE?

$\overline{10}\ \overline{5}\ \overline{6}\ \overline{8}\ \overline{3}$!

$\overline{10}\ \overline{5}\ \overline{6}\ \overline{8}\ \overline{3}$ WHO?

$\overline{10}\ \overline{5}\ \overline{6}\ \overline{8}\ \overline{3}\quad \overline{14}\ \overline{5}\ \overline{8}\ \overline{12}\ \overline{1}$!

WHO $\overline{8}\ \overline{4}\quad \overline{15}\ \overline{5}\ \overline{13}\ \overline{7}\quad \overline{16}\ \overline{7}\ \overline{8}\ \overline{3}\ \overline{12}\ \overline{14}\quad \overline{2}\ \overline{10}\ \overline{3}\ \overline{7}\ \overline{3}$?

$\overline{3}\ \overline{14}\ \overline{6}\ \overline{8}\ \overline{12}$!

$\overline{3}\ \overline{14}\ \overline{6}\ \overline{8}\ \overline{12}$ WHO?

$\overline{3}\ \overline{14}\ \overline{6}\ \overline{8}\ \overline{12}\quad \overline{11}\ \overline{9}\ \overline{17}\ \overline{5}\ \overline{2}$!

Solve the problems on the next page and find the number that each letter represents.   Fill in the blanks with the letter each number represents. Ignore the problem number.

In problem #3, the denominator of the second fraction is the letter O.   Likewise, in problem #13, the denominator of the second fraction is the letter I.

1. $\dfrac{6}{9} = \dfrac{T}{3}$

2. $\dfrac{8}{56} = \dfrac{1}{R}$

3. $\dfrac{22}{55} = \dfrac{2}{O}$

4. $\dfrac{25}{45} = \dfrac{5}{A}$

5. $\dfrac{14}{42} = \dfrac{G}{3}$

6. $\dfrac{42}{77} = \dfrac{W}{11}$

7. $\dfrac{36}{39} = \dfrac{12}{U}$

8. $\dfrac{90}{114} = \dfrac{Y}{19}$

9. $\dfrac{12}{92} = \dfrac{E}{23}$

10. $\dfrac{102}{108} = \dfrac{L}{18}$

11. $\dfrac{69}{92} = \dfrac{3}{S}$

12. $\dfrac{35}{98} = \dfrac{5}{D}$

13. $\dfrac{63}{168} = \dfrac{3}{I}$

14. $\dfrac{112}{133} = \dfrac{F}{19}$

15. $\dfrac{96}{184} = \dfrac{N}{23}$

16. $\dfrac{77}{110} = \dfrac{7}{H}$

17. $\dfrac{55}{125} = \dfrac{Z}{25}$