**FRACTION BUSTERS**

**Solve the equation.**

**1.** $\frac{5}{3}+\frac{2}{3}x=\frac{25}{12}+\frac{5}{4}x+\frac{3}{4}$ **2.** $\frac{4}{9}y-\frac{4}{3}=\frac{1}{6}y+\frac{11}{18}$ **3.** $\frac{x}{9}+\frac{2x}{5}=3$

**4.** $\frac{5}{2x}+\frac{1}{6}=8$ **5.** $\frac{x}{8}=\frac{x}{5}-\frac{1}{3}$ **6.** $\frac{x+2}{3}+\frac{x-1}{6}=5$

**7.** $\frac{x}{4}+\frac{x+5}{3}=4$ **8.** $\frac{x-1}{2x}+\frac{x+3}{4x}=\frac{5}{8}$ **9.** $\frac{2-x}{x}-\frac{x+3}{3x}=\frac{-1}{3}$

**10.** $\frac{3}{4}x+\frac{8}{3}=\frac{35}{3}$ **11.**$\frac{-37}{15}=\frac{-2}{5}x+x-\frac{2}{3}$ **12.** $\frac{1}{3}x-\frac{5}{12}=\frac{3}{4}+\frac{1}{2}x$

**13.** $x+\frac{x}{2}+\frac{3x}{5}=21$ **14.** $2+\frac{6}{x}+\frac{6}{3x}=3$ **15.** $5+\frac{2}{x}+\frac{5}{4x}=\frac{73}{12}$

**Use an equation to solve each word problem. Put your answer in a sentence.**

16. The length of a rectangle is 6cm longer than the width. The

 perimeter of the rectangle is 92cm. Find the length and width of the

 rectangle.

17. The perimeter of a flat panel TV screen is 150 inches. Find the l

 length and width of the screen if the length is 5 inches less than

 three times the width.

18. The length of a rectangle is four cm less than twice the width. If the

 perimeter is 244 cm, find the length and width of the rectangle.