

Simplify. Show all work! You may use a calculator to check only AFTER you have completed the page.

1) $-\frac{5}{4} \cdot \frac{1}{3}$

2) $\frac{8}{7} \cdot \frac{7}{10}$



3) $\frac{4}{9} \cdot \frac{7}{4}$

4) $-\frac{2}{3} \cdot \frac{5}{4}$

5) $-2 \cdot \frac{3}{7}$

6) $-2\frac{2}{3} \cdot 4\frac{1}{10}$

7) $-2\frac{1}{5} \cdot -1\frac{3}{4}$

8) $-1\frac{1}{4} \cdot 9$

Smart is something you become, not something you are born with.

9) $\frac{2}{9}$ of the people in a restaurant are adults. If there are 95 more children than adults, how many children are there in the restaurant? Draw a diagram to show your thinking.

10) Gary and Henry brought an equal amount of money for shopping. Gary spent \$95 and Henry spent \$350. After that Henry had $\frac{4}{7}$ of what Gary had left. How much money did Gary have left after shopping? Draw a diagram or picture to show your thinking.

Rewrite these complex fractions so they are easier to simplify. Then simplify completely.

$$11) \frac{\frac{-3}{2}}{\frac{11}{12}}$$

$$12) \frac{-2\frac{2}{3}}{1\frac{4}{5}}$$

$$13) \frac{\frac{4}{9} + \frac{1}{5}}{-6\frac{2}{3} - \frac{7}{5}}$$

$$14) \frac{\frac{-3}{4} - 2\frac{2}{11}}{\frac{11}{-3} + \frac{1}{2}}$$

$$15) \frac{-9}{5} \div 2$$

$$16) -3\frac{5}{9} \div 3$$

$$17) -2 \div -3\frac{4}{5}$$

$$18) \frac{1}{9} \div -1\frac{1}{3}$$

$$19) 1\frac{6}{7} \div 5\frac{3}{4}$$

$$20) -3\frac{7}{10} \div 2\frac{1}{4}$$