

Problem Set

Find the value of each of the following in its simplest form.

1.

a. $\frac{1}{3} \div 4$

b. $\frac{2}{5} \div 4$

c. $\frac{4}{7} \div 4$

2.

a. $\frac{2}{5} \div 3$

b. $\frac{5}{6} \div 5$

c. $\frac{5}{8} \div 10$

3.

a. $\frac{6}{7} \div 3$

b. $\frac{10}{8} \div 5$

c. $\frac{20}{6} \div 2$

4. 4 loads of stone weigh $\frac{2}{3}$ ton. Find the weight of 1 load of stone.

5. What is the width of a rectangle with an area of $\frac{5}{8} \text{ in}^2$ and a length of 10 inches?

6. Lenox ironed $\frac{1}{4}$ of the shirts over the weekend. She plans to split the remainder of the work equally over the next 5 evenings.

a. What fraction of the shirts will Lenox iron each day after school?

b. If Lenox has 40 shirts, how many shirts will she need to iron on Thursday and Friday?

7. Bo paid bills with $\frac{1}{2}$ of his paycheck and put $\frac{1}{5}$ of the remainder in savings. The rest of his paycheck he divided equally among the college accounts of his 3 children.

a. What fraction of his paycheck went into each child's account?

b. If Bo deposited \$400 in each child's account, how much money was in Bo's original paycheck?