

1. Peter spent 15% of his money and 1.5 dollars on a doughnut and  $\frac{3}{5}$  of his money and 30 cents on ice-cream. How much money did he have?
2. Write an expression to find 15% of a number  $a$ . Calculate 15% of the following numbers: 1540, 220, and 10.
3. Write an expression to find a number, if 4% of it is equal to  $b$ . Find the numbers for which 4% is equal to 8, 12, and 55.

4. Compare by representing fractions as decimals:

a.  $\frac{1}{2}$  and 0.55;      b.  $\frac{3}{25}$  and 0.15;      c.  $\frac{1}{8}$  and 0.12;  
d. 0.75 and  $\frac{3}{4}$ ;      e.  $\frac{7}{20}$  and 0.35;      f.  $\frac{1}{125}$  and 0.01;

5. Compare by representing decimals as fractions:

a.  $\frac{1}{6}$  and 0.2;      b.  $\frac{1}{3}$  and 0.3;      c.  $\frac{2}{3}$  and 0.75;  
d. 0.1 and  $\frac{1}{9}$ ;      e.  $\frac{5}{7}$  and 0.7;      f. 0.8 and  $\frac{5}{6}$ ;

6. Evaluate:

a.  $4 \cdot 0.5$ ;      b.  $4:0.5$ ;      c.  $4 \cdot 5$ ;      d.  $4:5$ ;  
a.  $\frac{5}{8} \cdot 0.5$ ;      b.  $\frac{5}{8}:0.5$ ;      c.  $\frac{5}{8} \cdot 5$ ;      d.  $\frac{5}{8}:5$ ;

7. In the following problems  $a$  is natural number, numbers  $n, m$  also are natural numbers and  $n > m$ . Compare:

a.  $a$  and  $a \cdot \frac{m}{n}$ ;      b.  $a$  and  $a : \frac{m}{n}$ ;

c.  $a$  and  $a \cdot \frac{n}{m}$ ;      d.  $a$  and  $a : \frac{n}{m}$

8. Find the weight of each shape, if the weight of pentagon is 40.

