

Test.

1. Compare fractions:

a. $\frac{4}{5} > \frac{7}{10}$;

b. $\frac{5}{6} > \frac{7}{8}$;

c. $\frac{9}{8} > 1\frac{1}{8}$;

2. Find a few numbers which are greater than $\frac{1}{7}$ but less than $\frac{2}{7}$.

3. Evaluate:

a. $\frac{3}{4} + \frac{1}{6}$;

b. $\frac{5}{6} + \frac{4}{9}$;

c. $\frac{4}{45} - \frac{1}{30}$;

d. $\frac{17}{18} - \frac{11}{12}$;

e. $\frac{21}{22} \cdot \frac{2}{5}$;

f. $1\frac{3}{5} \cdot 2\frac{1}{2}$;

g. $\frac{7}{8} \div \frac{7}{16}$;

h. $1\frac{3}{4} \div 10\frac{1}{2}$;

i.
$$\frac{4 + \frac{1}{\frac{1}{2} - \frac{1}{3}}}{4 - \frac{1}{\frac{1}{2} - \frac{1}{3}}}$$
;

4. Evaluate:

a. $\frac{2}{3} + 0.5$;

b. $0.6 - \frac{2}{5}$;

c. $\frac{1}{3} \cdot 0.9$;

d. $0.4 \div \frac{2}{7}$;

5. The speed of the river current is 3.2 km/h. Find the speed of the boat downstream and the speed of the boat upstream, if its own speed is 12.5 km/h.
6. A parrot, a canary, and a goldfinch ate a total of 45.6 g of grain. The parrot and the canary together ate 29.9 g, and the canary and the goldfinch together ate 25.1 g. How much grain did each bird eat?

7. It is known that 15% of a certain number is equal to 12. Find:
- a) 5% of this number;
 - b) 3% of this number;
 - c) 30% of this number;
 - d) 50% of this number;
 - e) 45% of this number;
 - f) 100% of this number.
8. Evaluate:
- a. $(-15) + (-6)$; b. $-3 + (-8)$; c. $7 - 25$; d. $-25 - (+20)$;
9. Fresh plums lose 70% of their mass during drying. How many dried plums (prunes) will be obtained from 60 kg of fresh plums?
10. Two trains left cities A and B at the same time, traveling toward each other. The distance between cities is 350 km. The speed of one train is 65 km/h, and the other is 75 km/h. In how many hours will the distance between them be 70 km? Why does the problem have two solutions?