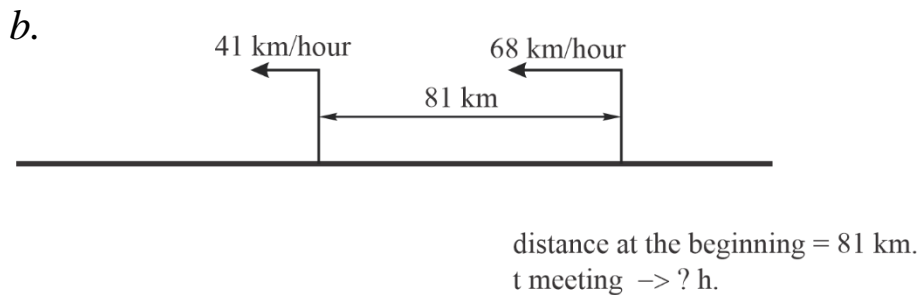
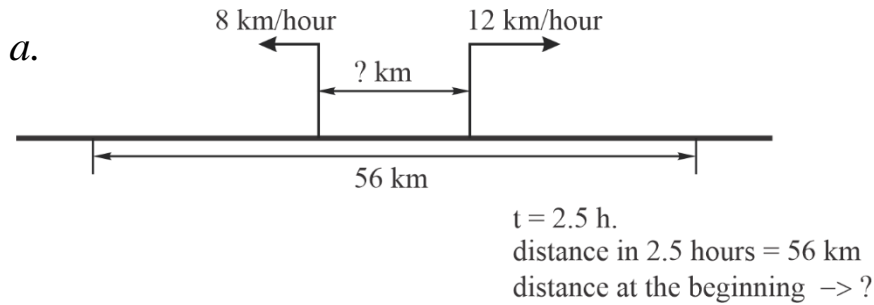


1. Represent speed in km/h (kilometers per hour) units and find out who's speeds are there.

- a. $83 \frac{cm.}{min.}$; b. $83 \frac{m.}{min.}$; c. $31 \frac{m.}{s.}$ d. $83 \frac{cm.}{s.}$; e. $800 \frac{m.}{min.}$;



2. A pedestrian covers a distance in 3 hours 45 minutes. The same distance can be covered by bicycle in 45 minutes. How many times faster does a cyclist ride than a pedestrian?
3. For the four pictures below, come up with the problem and solve it.



4. The speed of a boat in still water on a lake is 12 km/h. The speed of the river flow is 3 km/h. How many hours does the boat need to go from the city A to the city B if the distance between the two cities is 45 km and the city A is up on the river, i.e. the river flows from A to B?

How many hours does this boat need to go back from the city B to the city A?

5. Find what fraction of number B is number A.?

$$A = \left(4\frac{7}{9} - 2\frac{5}{6}\right) : 1\frac{5}{9} + \frac{4}{9} \cdot 6\frac{3}{16}$$

$$B = \left(1\frac{2}{3} + 2\frac{3}{4}\right) : 8\frac{5}{6} \cdot \left(1\frac{5}{12} - \frac{4}{9}\right) : 2\frac{1}{3} \cdot 24$$

6. Are the expressions equal? If not, then **how many times** is one of them greater or less than the other?

a. $14.56 : 1.82$ and $145.6 : 1.82$;

b. $14.56 : 1.82$ and $0.1456 : 1.82$;

c. $14.56 : 1.82$ and $14.56 : 182$;

d. $14.56 : 1.82$ and $14.56 : 0.182$;

e. $14.56 : 1.82$ and $145.6 : 18.2$;

f. $14.56 : 1.82$ and $1.456 : 0.182$;

g. $14.56 : 1.82$ and $1456 : 18.2$;

h. $14.56 : 1.82$ and $1.456 : 0.0182$;

7. On the lawn grew 35 yellow and white dandelions. After eight whites flew away, and two yellows turned white, there were twice as many yellow dandelions as white ones. How many whites and how many yellow dandelions were on the lawn at the beginning?

8. Construct rectangle ABCD using the coordinates of its vertices: A(3; 2), B(3; 6), C(9; 6). Draw the diagonals of this rectangle and find the coordinates of their intersection point.