## Lesson № 18

**1** Write the equations needed to answer the questions below:

The sum of 6 and three times a number equals 33. Find the number.

The difference between 55 and four times a number equals 15. Find the number.

The sum of 3 and six times the number is equal to 39. Find the number.

The sum of 5 and a number divided by 4 is 9. Find the number.

The difference between 8 and a number is 2. Find the number.

**2** Two towns are 520 km away from each other. At noon a car starts moving from town *A* towards town *B*. At the same time a truck starts moving from town *B* to town *A*. The car moves 80 km/h; the truck moves at the speed of 60 km/h.



*Explain the meanings of the following expressions:* 

520:80	the time it takes the car to
520:60	
80 + 60	
520 - (60 + 80)	
520 - 2 · (60 + 80)	
520 : (60 + 80)	



Solve the problems:

The figure *ABCDEF* has a perimeter of 52 cm. If *AB* is shorter than *ED* by 8 cm, what is the length of *AB*?

A play park consists of 10 "crazy



**4** Use distributive properties of multiplication and division to remove parentheses:



rooms". Find the dimensions of each room.









**12** Travel times required to drive between the towns depend not only on the distances between these towns, but also on the maximal allowed speeds. These times are marked on the graph. What is the least time required to drive from town A to town F?

