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1 Lesson № 15	
A pencil costs <i>a</i> dollars. How much do we have to pay for 2 boxes of pencils if the first box contains <i>m</i> pencils, and the second box contains <i>n</i> pencils?	Image: Sector of the sector
A table costs <i>x</i> dollars, and a chair costs <i>y</i> dollars. What is the cost of 2 tables and 8 chairs?	
<i>c</i> dollars can buy 5 pounds of apples. How much do 8 pounds of apples cost?	
* <i>c</i> dollars can buy 5 pounds of apples. How many pounds of apples can <i>d</i> dollars buy?	
2 <i>I thought of a number; then added 900. The result was a number less than 1000.</i> Check ✓ correct statements and cross mark ✗ the false ones:	
a) The number I first thought of must be less than 1	100
b) The number I first thought of must be less than 99 $\hfill \square$	
c) The number I first thought of could be equal to	99
d) The number I first thought of could not be more than 99 \Box	
e) The number I first thought of could be equal to 1	10 🗆

f) The number I first thought of could not be equal to 100

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Translation. Reflection. Rotation.

Translation is a motion in which a shape slides along a certain direction.

Rotation is a motion in which a shape turns around a pivotal point on a certain angle. Rotations around different pivotal points move the same shape differently.

Reflection is transformation of a shape in a plane mirror. Reflection is not a motion of an object.



What can and cannot be divided with a remainder.

Compare three problems and their solutions:

Problem 1: Little Joe needs to distribute 14 cans of milk from the cow farm among the four brothers. How many cans will each one receive?

Solution: 14 : 4 = 3 rem 2

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What does the remainder mean?



These two cans will remain on the cow farm, probably.

Problem 2:Foxy tail needs to dig his way to the Cheese Factory, which is 24 mawayfrom his house. He digs 4 meters in one day. How long will it take
him to get to the Cheese Factory?

Solution: 21 : 4 = 6



So, Foxy tail will dig these 24 meters in 6 days.

Problem 3: Foxy tail needs to dig his way to the Cheese Factory, that is **21** *m* away from his house. He digs 4 meters in one day. How long will it take him to get to the Cheese Factory?

Solution: 21 : 4 = 5 rem 1

Does remainder mean that Foxy tail can dig 24 meters in 6 days but will never make it to the factory if it is 3 meters closer?

Sometimes dividing with a remainder makes no sense.



Sometimes a whole thing has to be divided into pieces.

Such pieces are called **fractions**

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