Place Value. Rays and segments

1 Find the results without calculations:

$$42 + 17 - 17 =$$

$$63 - 18 + 18 =$$

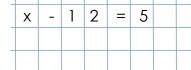
$$29 + 14 - 14 =$$

$$72 - 49 + 49 =$$

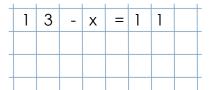
$$19 + 34 - 34 =$$

$$87 - 39 + 39 =$$

2 Fill in the diagrams for the equations, solve them, and check your answers.



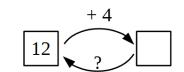


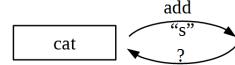


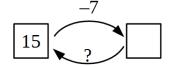


Perform the operations: add a









Inverse operation is the operation that reverses the effect of another operation.

What did a chef do to these vegetables?

Does this operation have an inverse one? _____







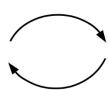


Which operation was performed on the ribbon?

Does this operation have an inverse one? _____

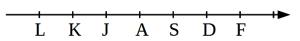
Give your own example of an operation. Does your operation have an inverse one?

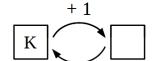


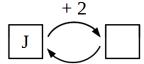


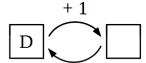


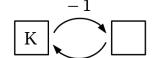
Do the operations using the line (note that K-L=1):

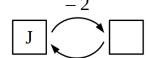




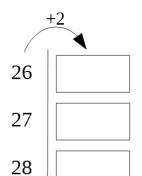


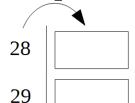




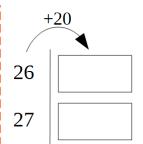


6 Compare the results of the arithmetic operations below. What do you notice?

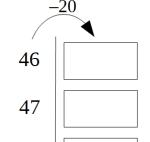




30



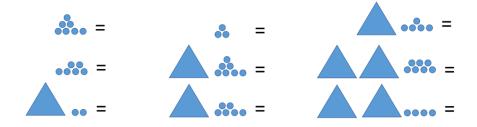
28



48

Place value and column addition with regrouping

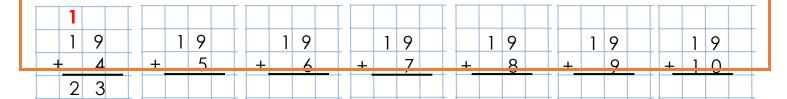
Transform to the numbers: 7



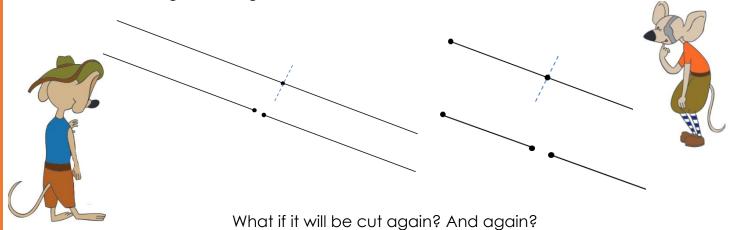
Present as tens and ones:

Calculate using the regrouping: 9

Calculate according to the example using the column addition method:

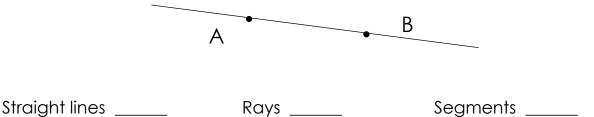


Pop Eye and Jake the Mouse are wondering what happened if a straight line will get cut at some point. Will it be two straight lines, the line will disappear, or something else altogether?

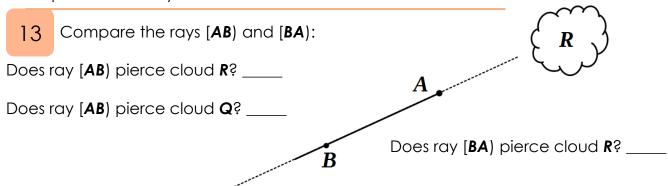


This is how the brother mice discover a ray and a segment: a part of **a straight line** that has the beginning but not the end is called **a ray**, and a part of a line that has both beginning and end is called **a segment**.

12 How many lines, rays, and segments can you name in the picture below?



The name of a ray starts with the point of its origin that is followed by the name of any other point on the ray.



Does ray [BA) pierce cloud Q ?
Can a whole ray be plotted?