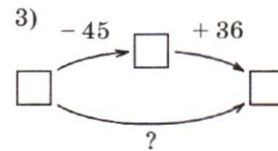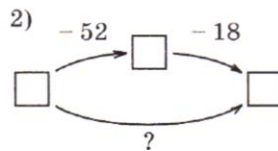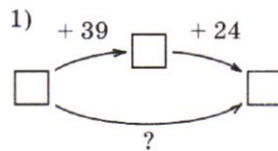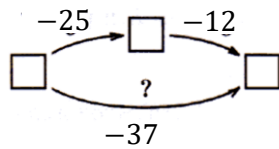Math 4d, Homework 3.

school nova™

1. Andrew prepares for an ironman competition. For that he swims for 37 minutes every day during 256 days and also, he runs for 63 minutes every day during 256 days. How many minutes does he spend doing sports? What is the easiest way to solve the problem?

2. Find the missing operation:

   Example:
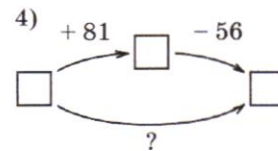
3. Evaluate by the most convenient way:

   a. $(972 + 379) - 972;$
   b. $(382 + 417) - 416;$
   c. $851 - (831 + 7);$
   d. $134 - 98 - 2;$
   e. $83 \cdot 9 - 73 \cdot 9;$
   f. $24 \cdot 96 - 24 \cdot 86;$

   g. $(538 + 245) - 245;$
   h. $(725 + 158) - 625;$
   i. $276 - (18 + 176);$
   j. $580 - 79 - 21;$
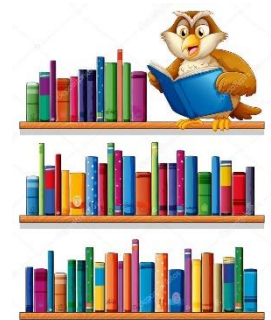   k. $7 \cdot 38 - 7 \cdot 28;$
   l. $716 \cdot 52 - 616 \cdot 52;$

   Example:

   $(972 + 379) - 972 = 972 - 972 + 379 = 379;$

   $63 \cdot 7 - 7 \cdot 53 = 7 \cdot (63 - 53) = 7 \cdot 10 = 70$

 $179 - 92 - 8 = 179 - (92 + 8) - 179 - 100 = 79$

4. On the first shelf there are 5 more books than on the second shelf and 5 less than on the third shelf. There are 105 books altogether. How many books are there on each shelf?

5. In the number 5 236 845 cross out three digits so that the resulting number will be

    a. Biggest possible number
    b. Smallest possible number

6. Name all lines, segments and rays on the picture below. Example : segment [BC]
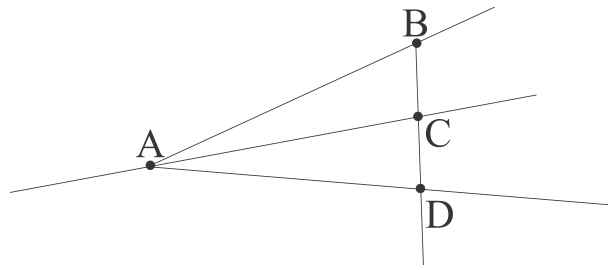
7. Robert did his math assignment but he stained his notebook. Each drop of ink covers the same digit, which is greater than 0. Please, restore his homework!

$$(\blacksquare\blacksquare + \blacksquare\blacksquare + 1) \times \blacksquare = \blacksquare\blacksquare\blacksquare$$

8. Draw 3 different angles. Measure them , use a protractor and a ruler.
9. Draw angles of 32°, 45°, 58°, 125°, 165°, use a protractor and a ruler.