**Exercises.** 



 $2 \cdot 3 + 3 \cdot 7 = 3 \cdot (2 + 7) = 3 \cdot 9 = 27$ a.  $7 \cdot 5 + 2 \cdot 5$ ; b.  $4 \cdot 11 + 4 \cdot 3$ ; c.  $5 \cdot 6 - 5 \cdot 3$ ;

2. Rewrite the following expression without parenthesis, find the value of the expressions doing calculations with and without parenthesis.

Example:  $5 \cdot (4+3) = 5 \cdot 4 + 5 \cdot 3 = 20 + 15 = 35$  $5 \cdot (4+3) = 5 \cdot 7 = 35$ 

a.  $7 \cdot (10+5);$  b.  $3 \cdot (25-5);$  c.  $(2+7) \cdot 5;$ 

3. Andrew is preparing for the Ironman competition. To do this, he swims for 37 minutes every day for 256 days, and also runs for 63 minutes every day for 256 days. How many minutes does he spend doing sports?

## 4. Evaluate (what is the best way to compute it)?

- a. (972 + 379) 972;g. (538 + 245) 245;b. (382 + 417) 416;h. (725 + 158) 625;c. 851 (831 + 7);i. 276 (18 + 176);d. 134 98 2;j. 580 79 21;e.  $83 \cdot 9 73 \cdot 9;$ k.  $7 \cdot 38 7 \cdot 28;$ f.  $24 \cdot 96 24 \cdot 86;$ l.  $716 \cdot 52 616 \cdot 52;$
- 5. Which numbers are represented by the figures in following problems

1.  $716 \cdot 52 - 616 \cdot 52;$ 1)  $\bigcirc + 12 = \bigtriangleup 2) \square : 9 = \square$   $\square : \bigtriangleup = 7 \qquad \bigtriangleup + \square = 84$  $\bigtriangleup - 5 = \bigcirc 3 \cdot \square = 162$ 

 $4 \cdot \bigcirc = 100$ 

 $90 - \bigcirc = \bigwedge$ 



- 6. 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?
- 7. The table in the picture should be filled in with the digits 1, 2, 3,4, and 5 in a way that no digit can be put more than once in any row, column or diagonal. What digit should be in the middle cell?

3	4		5
2			
		?	
			4

