4. **Solving the simple word problems**: Try to use proper visualization of the word problems.

a) Patrick had 13 beads, Tom had 5 beads more than Patrick. How many beads did Tom have?

P ooooooooooooo

T ooooooooooooo ooooo $13 + 5 = 18$

Tom had 18 beads.

b) Try to think up tasks for the following pictures:

- P oooooooooooooooooo

  T oooooooooooo

Patrick and Tom ~~could~~ baked cookies. Patrick baked 18 cookies. Tom baked 5 less than Patrick. How many cookies did Tom bake?
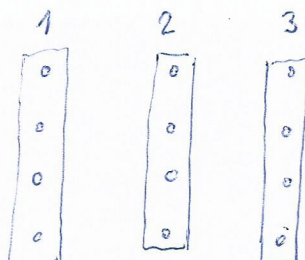
$$18 - 5 = 13$$

- P oooooooooooooooooo

  T oooooooooooooooooo

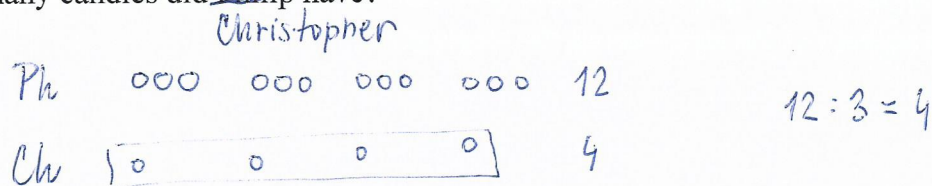Patrick and Tom baked both of them 18 cookies. Tom ate 5. How many cookies does have Tom?

$$18 - 5 = 13$$

c) Grandma had 12 candies and gave it out to three children evenly. How many candies did each child receive?

$$12 : 3 = 4$$

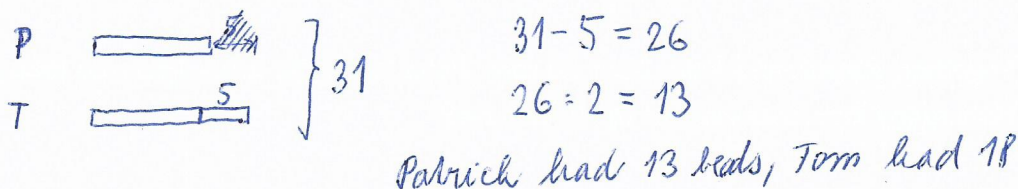d) Philip had 12 candies, Chistopher had three times less candies than Philip. How many candies did ~~Philip~~ have?
Christopher

Ph   000   000   000   000   12 $12 : 3 = 4$

Ch |○   ○   ○   ○| 4

Composed word problems

e) Patrick had 13 beads, Tom had 5 more beads than Patrick. How many beads did they have together?

P ⊏——13——⊐   P 13 $13 + 18 = 31$
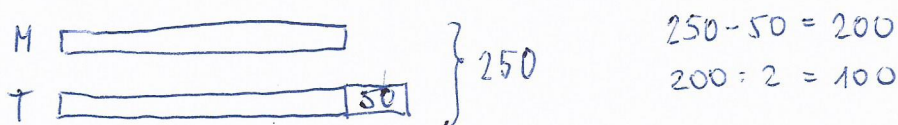
T ⊏——13——⊐—5—⊐   T 18

f) Patrick had 5 beads less than Tom, together with Tom they had 31 beads. How many beads did Tom have?

P ⊏———⊐⧅ ⎫ 31 $31 - 5 = 26$

T ⊏———⊐5 ⎭ $26 : 2 = 13$

Patrick had 13 beads, Tom had 18

T-F test: $18 - 13 = 5$ ✓ $13 + 18 = 31$ ✓

g) Mark and Therese together saved 250 crowns. Therese saved 50 crowns more than Mark. How many crowns did each of them save?

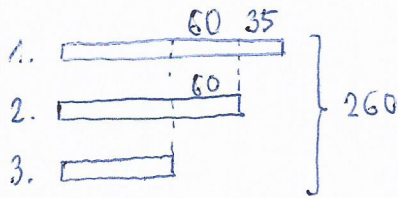M ⊏————————⊐ ⎫ 250 $250 - 50 = 200$

T ⊏————————⊐50 ⎭ $200 : 2 = 100$

Marek saved 100 Kč and Therese saved 150 Kč.   T-F : $150 - 100 = 50$ ✓

$100 + 150 = 250$ ✓

Frequent mistake: $250 : 2 = 125$ $125 - 50 = 75$ $125 + 50 = 175$

T-F test: $175 + 75 = 250$ ✓

h) There were 260 t of sand on three piles. On the first pile there were 35 t of sand more than on the second pile. On the third pile there were 60 t less then on the second pile. What amount of the sand was on the single piles?
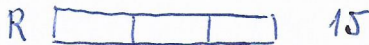
$260 - 60 - 35 = 200 - 35 = 165$ $200 - 95 = 105$

$-60 =$

$105 : 3 = 35$ 35

$3 : 35 t, \quad 2 : 95 t, \quad 3 : 130 t$

T-F test: $35 + 95 + 130 = 260 ✓$ $130 - 95 = 35 ✓$ $95 - 35 = 60 ✓$
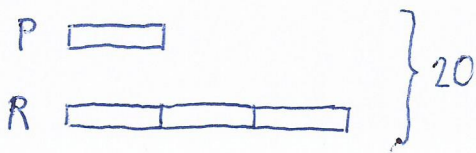
1.
2.
3.

60 35
60
260

Word problems with distractor

5. Try to use proper visualization of the following word task with distractor:

   a) Roman has 15 cars, and that is three times more than Peter has. How many cars does Peter have?

   R $\square$ 15

   P $\square$ $15 : 3 = 5$

   b) Together, Roman and Peter have 20 cars. Peter has three times less cars than Roman. How many cars does each of the boys have?

   P $\square$
   R $\square$ $\Big\}$ 20

   $20 : 4 = 5$

   P : 5
   R : 15