

## Homework for Lesson № 13

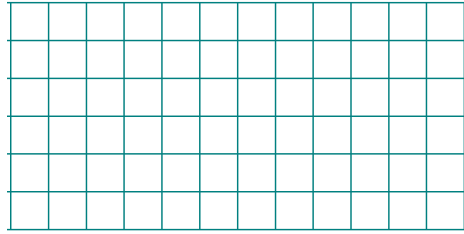
**1** Write expressions to solve the word problems. Make any necessary drawings.

There are 75 cookies laying on  $w$  plates. How many cookies are in 3 plates?

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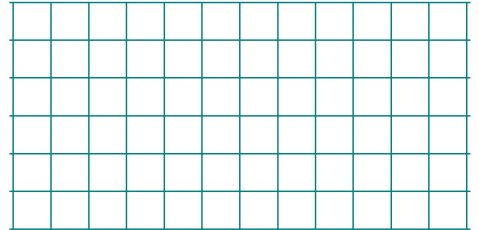


A train moves 80 km/h. How long does a 400 km trip take?

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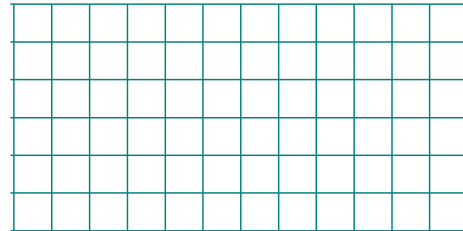


5 cans of juice cost 75 dollars. How many cans can one buy with 90 dollars?

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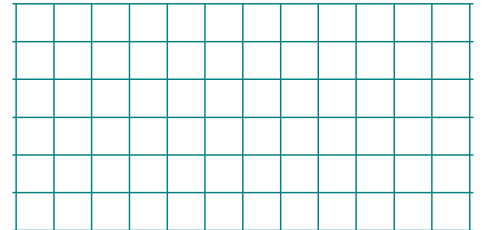


In a flower green house there are 12 roses in each rose bed, 7 peonies in each peony bed, and 8 tulips in each tulip bed. There are 6 rose beds, 12 peony beds, and 9 tulip beds. How many flowers are in the green house?

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**2** Solve the equations and check your answer:

$$74 + 50 = 260$$

$$850 - 52 = 250$$

$$5 \times -55 = 45$$

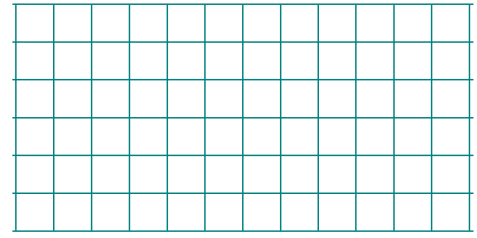


- 6** A machine puts 8 pencils in each box.  
How many boxes can be filled with 75 pencils?

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- 7** There are 30 red pencils and 36 green pencils. A machine puts 2 red pencils and 3 green pencils in each box. If either a red or a green pencil is missing, the machine stops.

Find meaningless expressions, explain the results of the meaningful ones:

<i>Expression</i>	<i>Meaning</i>
$2 + 3$	... the number of
$36 : 3$	
$36 : 2$	
$30 : 2$	
$30 : 3$	
$30 + 36$	
$(30 + 36) : 5$	

How many boxes can be packed with pencils? \_\_\_\_\_

Which pencils will remain once packing is finished? \_\_\_\_\_ How many? \_\_\_\_\_

- 8** In your notebook solve the equations, check your answers and copy them here:

$$3y + 923 = 941$$

$$975 - 5z = 625$$

$$2x - 27 = 15$$

$$y = \underline{\hspace{2cm}}$$

$$y = \underline{\hspace{2cm}}$$

$$y = \underline{\hspace{2cm}}$$

- 9** Calculate in your notebook, copy the results here:

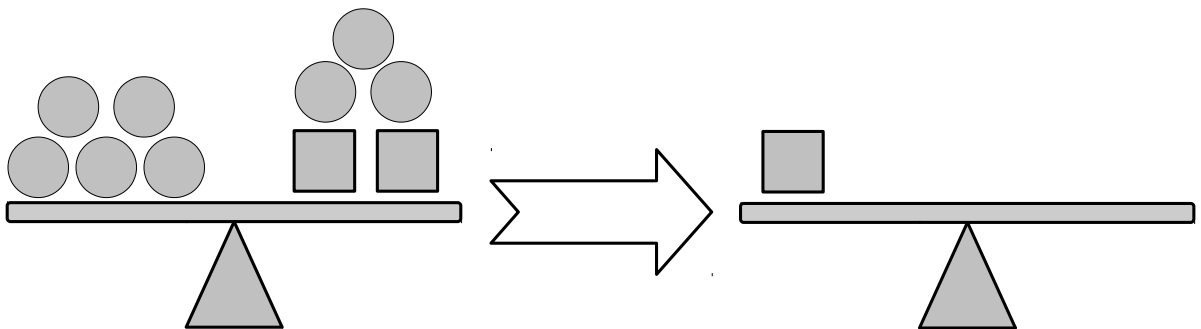
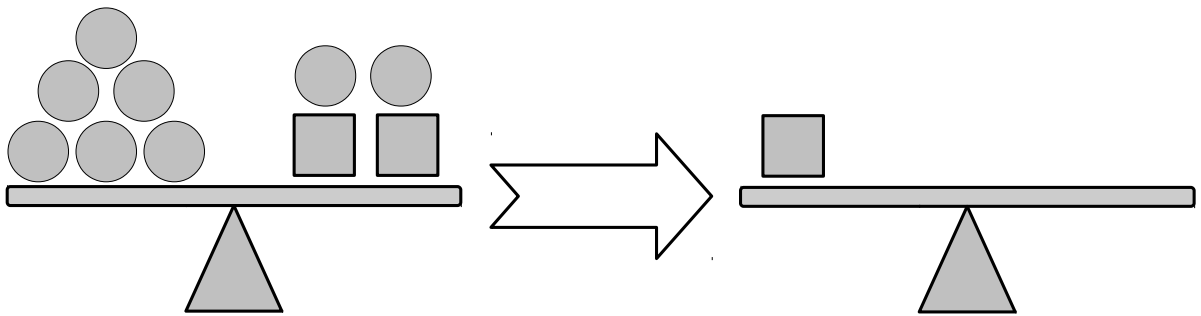
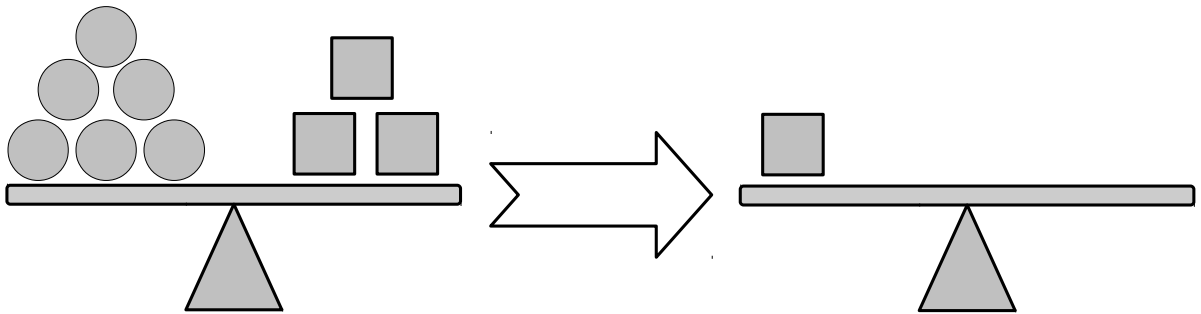
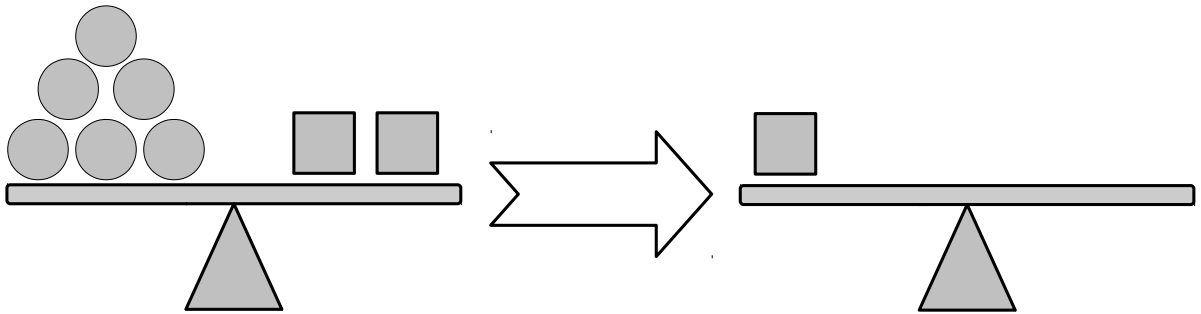
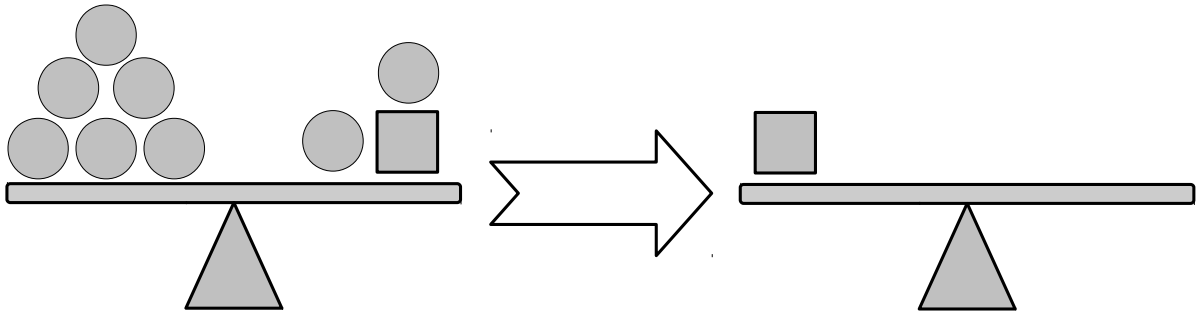
$$149 \cdot 7 = \underline{\hspace{2cm}}$$

$$903 : 7 = \underline{\hspace{2cm}}$$

$$501 : 3 = \underline{\hspace{2cm}} \quad 47 \times 6 = \underline{\hspace{2cm}}$$

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Balance the scales by adding the right number of balls to the empty right side:



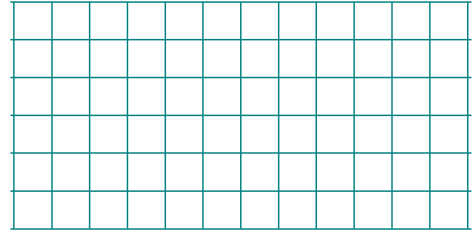
- 11** A school needs to take 45 students on a field trip to a museum of arts. Each school van can take up to 7 students.

How many vans can be filled up with students? \_\_\_\_\_

How many vans are needed to take all 45 students? \_\_\_\_\_

How many students can possible be in filled up vans? \_\_\_\_\_

How many more students can go on a trip using the same number of vans? \_\_\_\_\_



- 12** Construct a line segment  $AB$ : 1.  $B \in [AT)$  and 2.  $|AB| = |PQ|$ . Write your algorithm in symbolic form:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



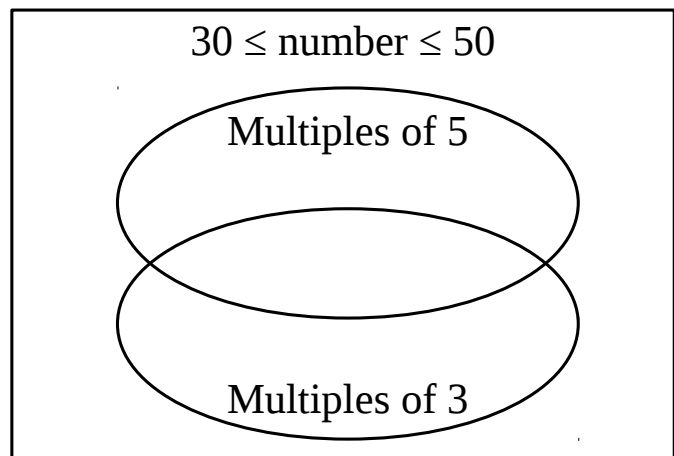
- 13** Look at straight line  $MN$ .

$[MN) \cap [NM) =$  \_\_\_\_\_

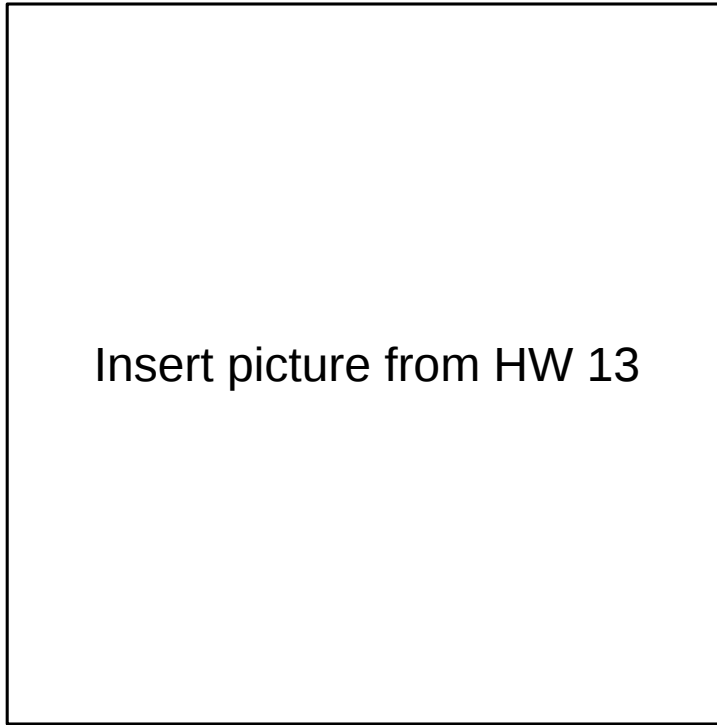
$[MN) \cup [NM) =$  \_\_\_\_\_



- 14** Write numbers from 30 to 50 into right locations on the Venn Diagram.



- 15 Imagine each shape was cut in two parts. Finish the drawings of each part.



- 16 Find *all pairs* of supplementary angles on the drawing. Measure these angles with a protractor. Write down your results. Make sure supplementary angles add up to  $180^\circ$ .

$\angle AOB = 50^\circ$  and  $\angle BOD =$  \_\_\_\_\_

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