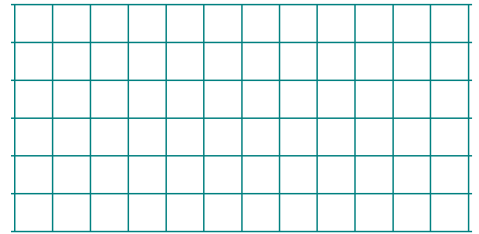


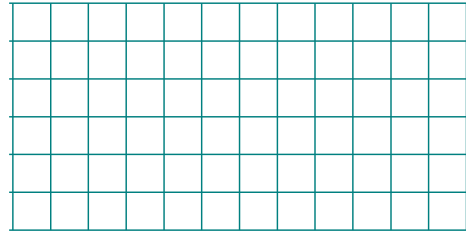
Homework for Lesson № 14

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

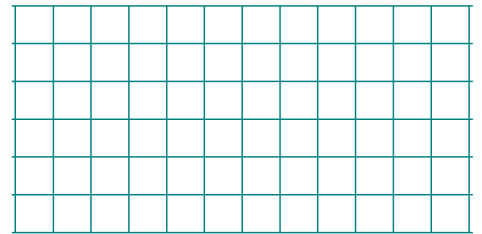
There are c kg of apples in each box. There are 4 boxes of green apples and 5 boxes of red apples. How much do the green and red apples weight altogether?



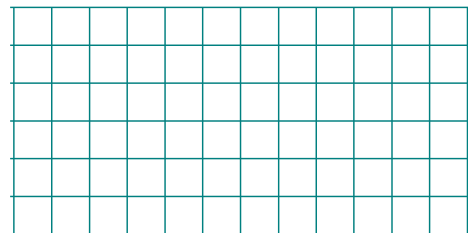
Mr. Frog jumps 50 cm at a time. He is sitting at the mark of 20 cm, and jumps in the “increasing” direction. Where will he land after the 5th jumps?



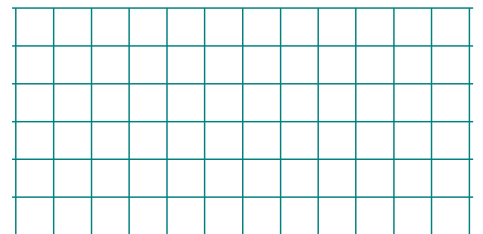
Rex eats 2 sausages every day. Conny eats 3 sausages every day. How many days will 35 sausages last for the two of them?



A master produces 7 swords a week. His apprentice produces x swords less than the master. How many swords will they both make in 5 weeks?



There are 96 vegetables on a table. Tomatoes are on 6 plates, 3 tomatoes per plate. Carrots are in 10 boxes, x carrots per box. Avocados are in 4 identical bags. How many avocados are in each bag?



2 Find the best replacement to simplify the equation:

$$63 \div (w - 5) = 7 \quad \xrightarrow{x =} \quad \boxed{}$$

3 Calculate in your notebook and copy your answer here:

$319 \times 4 = \underline{\hspace{2cm}}$

$715 \div 5 = \underline{\hspace{2cm}}$

$284 \times 3 = \underline{\hspace{2cm}}$

$921 \div 3 = \underline{\hspace{2cm}}$

$427 \times 7 = \underline{\hspace{2cm}}$

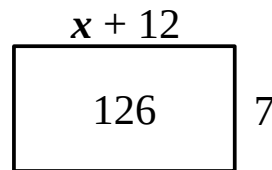
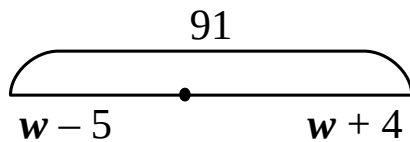
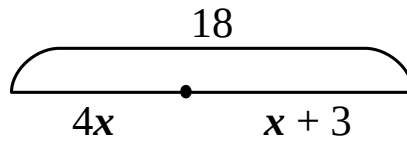
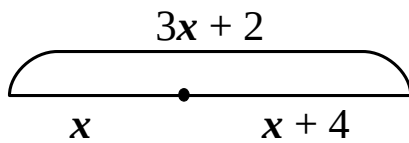
$612 \div 9 = \underline{\hspace{2cm}}$

$780 \times 90 = \underline{\hspace{2cm}}$

$318 \div 6 = \underline{\hspace{2cm}}$

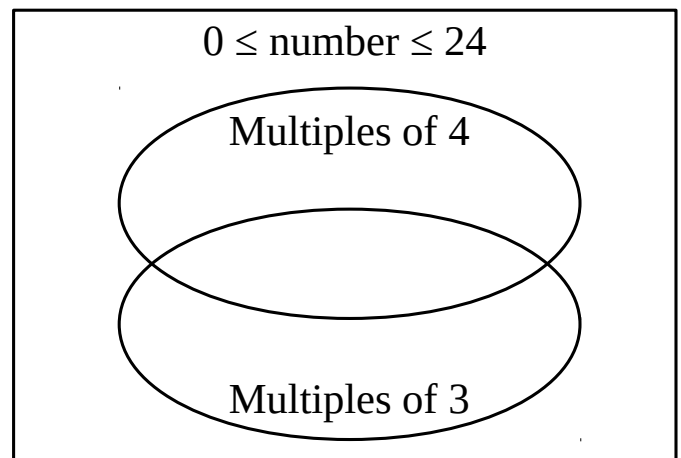
$172 \times 7 = \underline{\hspace{2cm}}$

4 Make equations based on the drawings:



5 Sort the numbers from 0 to 24 in the Venn Diagram.

	Multiple of 3	Not a multiple of 3
Multiple of 4		
Not a multiple of 4		



6

Solve the equations and check your answer:

$$9w + 42 = 753$$

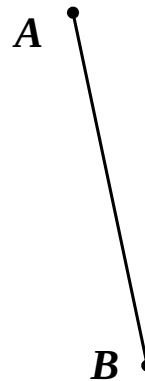
$$550 - 3z = 400$$

$$7x - 41 = 43$$

7

Use a compass and a straight edge to find the middle of $[AB]$. Label it K . Base your algorithm on the *properties of rhombuses*. Write it down.

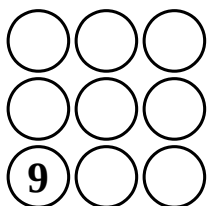
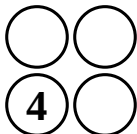
1. _____



8

Look at the so-called “square” numbers. Construct the next two.

①

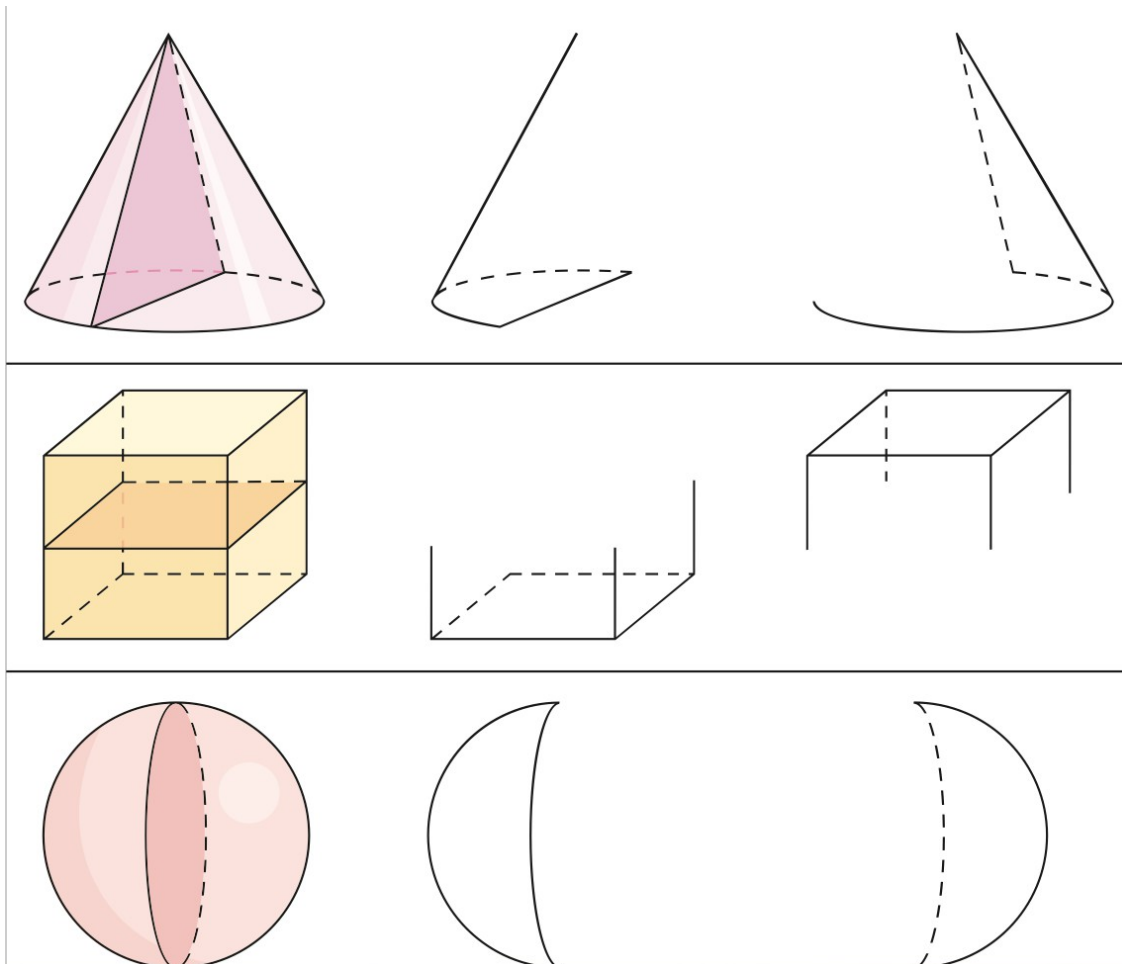


- 9 Check ✓ the existing triangles. Cross ✗ the triangles that do not exist. Use your knowledge of the algorithm for finding the third point of a triangle.

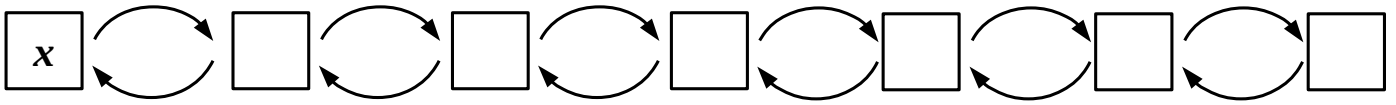
	$ AB = \dots$	$ BC = \dots$	$ AC = \dots$
	5 cm	7 cm	9 cm
	3 cm	2 cm	10 cm
	6 cm	7 cm	11 cm
	3 cm	4 cm	9 cm

Use a compass and a straight edge on a scrap paper to check your answers.

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

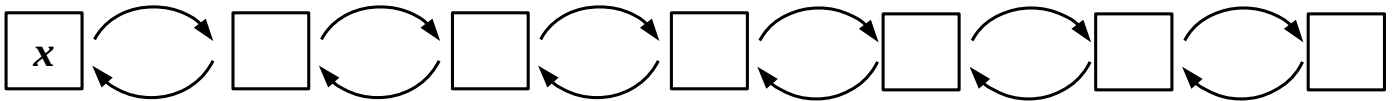


11 Jenny thought of a number, divided it by 7, then multiplied by 100. Later she subtracted 654 from the result and finally added 108 to obtain 8454. What number did she initially think of?



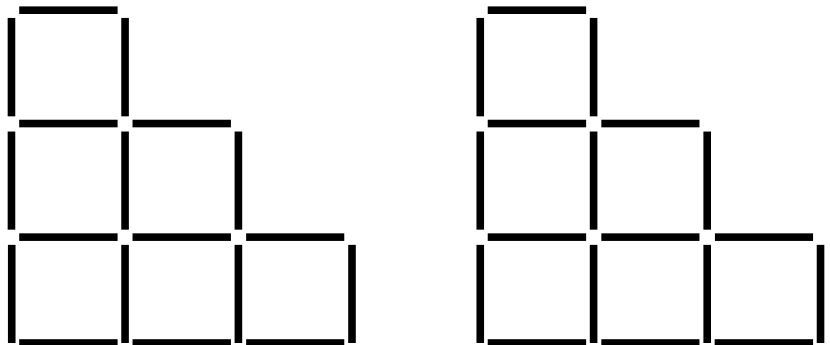
$$x = \underline{\hspace{2cm}}$$

* A peasant came to a market to sell apples. He sold a half of his apples and another apple to a customer. Then he sold a half of remaining apples and another apple to another customer. Finally he sold the last apple to the third customer. How many apples did the peasant bring to the market?



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

12 In the picture, 18 sticks make up 6 little squares. Note that 4 of these little squares make up a large square. Take away 2 matches so that only 4 squares are left. Try to find both solutions.



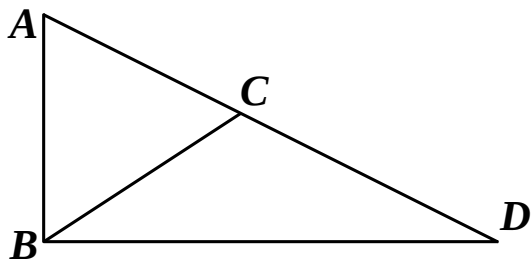
13 Find the missing digits:

$$\begin{array}{r} 7 \quad 5 \quad 9 \quad 1 \quad 4 \\ + 3 \quad 2 \quad \quad 5 \quad 0 \\ \hline 5 \quad 4 \quad 4 \quad 2 \quad 1 \end{array}$$

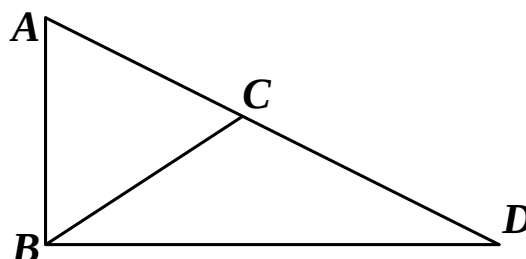
$$\begin{array}{r} 6 \quad 7 \quad 2 \quad 8 \quad 3 \\ + \quad 5 \quad 3 \quad 2 \quad 2 \\ \hline 8 \quad 6 \quad 9 \quad 6 \quad 7 \end{array}$$

14 Use a blue pencil to color in ...

... $\triangle ABC \cap \triangle ABD$

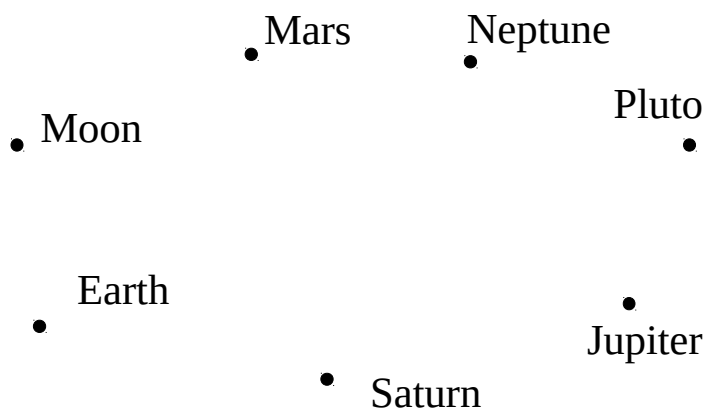


... $\triangle ABC \cup \triangle ABD$



15 Here is the list of commercial interplanetary flight services: Mars – Moon, Saturn – Earth, Neptune – Jupiter, Moon – Earth, Pluto – Jupiter, Saturn – Mars, Neptune – Pluto, Jupiter – Mars. Each service is available in both directions.

Complete the graph to find out whether it is possible to travel from Pluto to the Moon.



You may want to number the flights to avoid missing any flight on the graph.

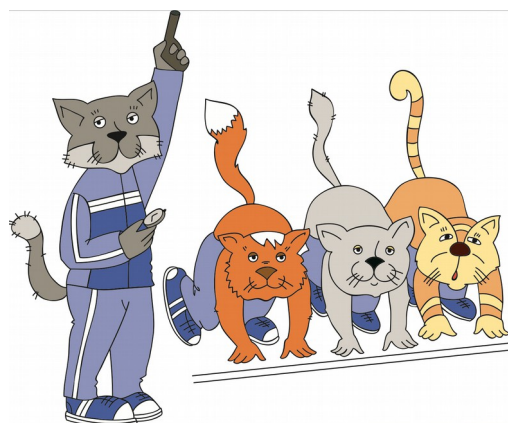
16 There was an annual race on the Cat Island. After the race was over, our mice were discussing the results.

PY: Mr. Red Jr. got first place, and Mr. White Jr. got second place.

JTM: Mr. Brown Jr. was first, Mr. Red Jr. was second.

LJ: Only one part of each of your statement is true.

Which cat got which place?



	Mr. <input type="checkbox"/>	Mr. <input type="checkbox"/>	Mr. <input type="checkbox"/>
PY			
JTM			

Place: _____