

Homework for Lesson № 10

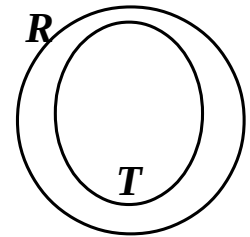
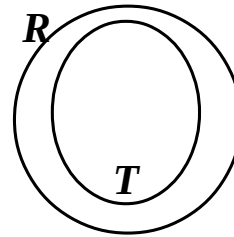
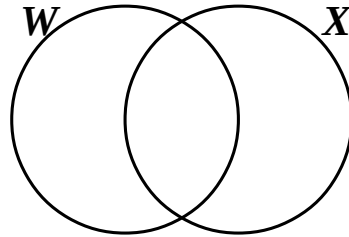
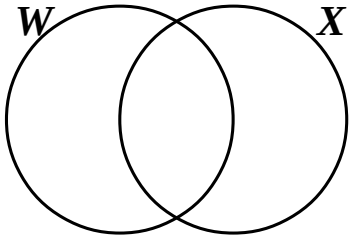
1 Shade the following Venn Diagrams:

$X \cap W$

$X \cup W$

$R \cap T$

$R \cup T$



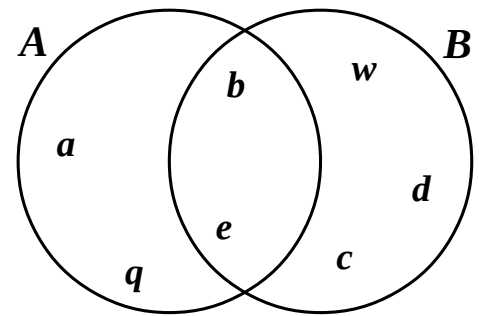
2 List the elements in the following sets:

$A =$ _____

$B =$ _____

$A \cap B =$ _____

$A \cup B =$ _____



3 Look at the diagram of the students' taste activities:

How many students play guitar? _____

How many students sing? _____

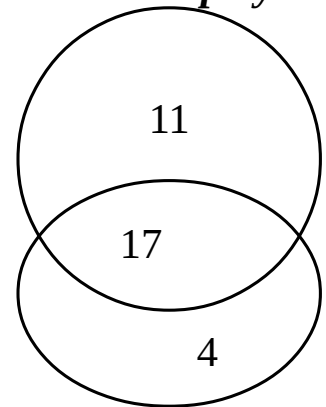
How many students BOTH play guitar AND sing _____

How many students EITHER play guitar OR sing _____

How many students play guitar only? _____

How many students sing only? _____

Guitar playinh



Singing

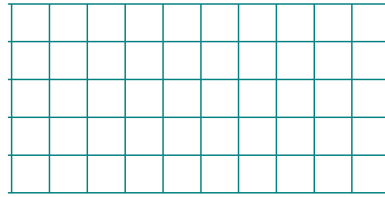
How many of them?



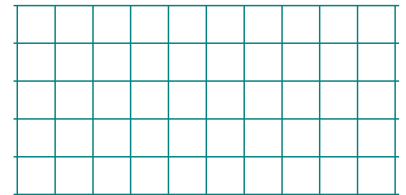
4

When need make you own auxiliary drawings to solve the word problems:

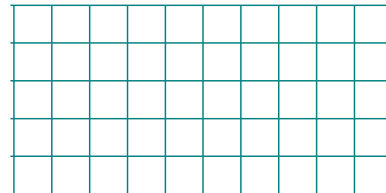
A. A Gardner can prune 63 fruit trees in in 9 hours. How many trees can the Gardner prune in 5 hours?



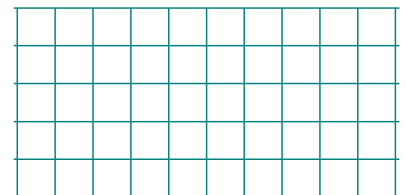
B. There are 5 cucumbers in each of s bowls. There are 3 tomatoes in each of w plates. How many vegetables are there in total?



C. Annie need to jog 35 km per week. Ever week day she jogged 4 km. On Saturday she jogs 10 km. How many kilometers does she jog on Sunday?



D. 9 identical boxes contain 36 cookies. Foxy Tail took w of these boxes. How many cookies did he take?



5

In your notebook solve the following equations and check you answers. Once they are correct copy them here. Make appropriate drawings if need ones.

$$y \cdot 9 = 63$$

$$z - 9 = 4$$

$$7 + x = 49$$

$$49 : w = 7$$

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

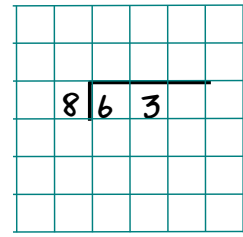
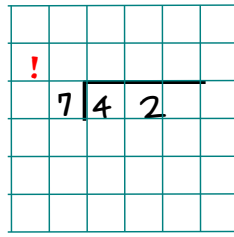
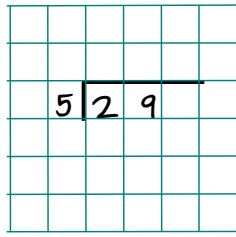
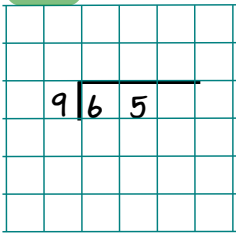
$$z = \underline{\hspace{2cm}}$$

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

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

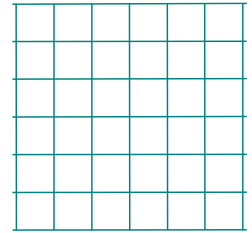
6

Calculate in column:



7

The Cat Island Senate allocated 97 cat silver coin on anti mice fence for their cheese factory. The fence will be made out of sections. Each section costs 4 cat silver coins.



How many sections can the Senate afford? _____

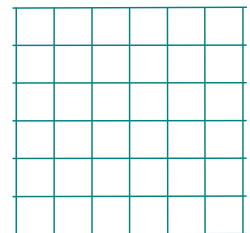
How many coins will be left if any? _____

8

* The Cat Island Senate also allocated 97 cat silver coin on anti mice fence for their strawberry beds. Each bed has to be protected around all of its perimeter. The size of each bed is given on the picture.



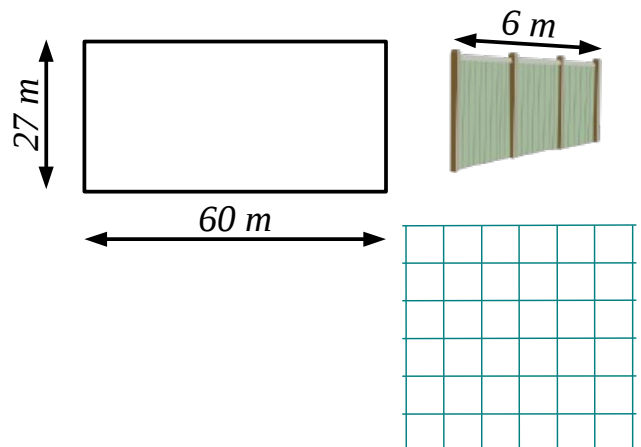
How many fence sections are needed to protect each bed?



How many beds may be fenced individually given the budget?

9

* The cats have also a 27 by 60 meters orchard. How many fence sections are needed to fence it around in each section is 6 m long?



Fence section cannot be broken; all orchard must be fenced in!

10 Any street has an odd side and an even side.

What are the numbers of three adjacent houses on a street if their total is 21?

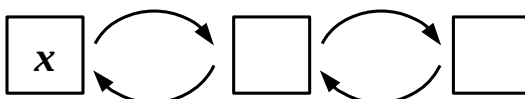


What are the numbers of three adjacent houses on a street if their total is 42?

11 Analyze and solve the equations

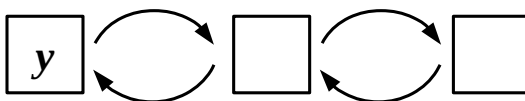
$x \times 3 - 6 = 15$	

✓



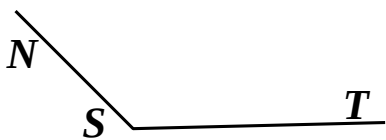
$y : 4 + 9 = 22$	

✓

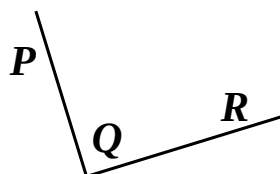


12 Determine the kinds of angles on the drawing:

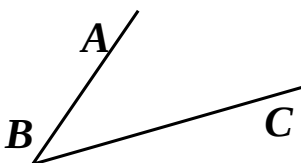
$\angle NST$ is _____



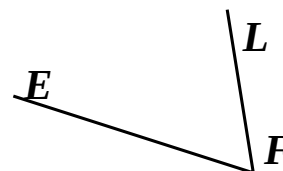
$\angle PQR$ is _____



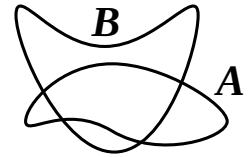
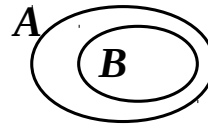
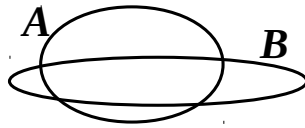
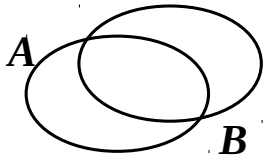
$\angle ABC$ is _____



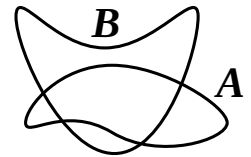
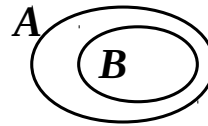
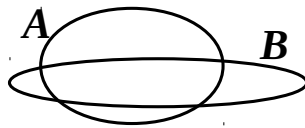
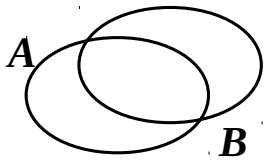
$\angle EFL$ is _____



13 On each drawing shade $A \cup B$.

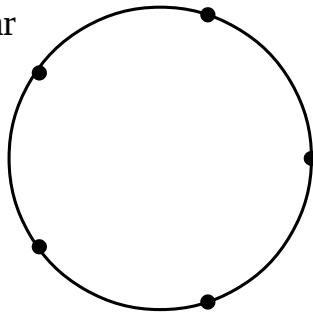


14 On each drawing shade $A \cap B$.

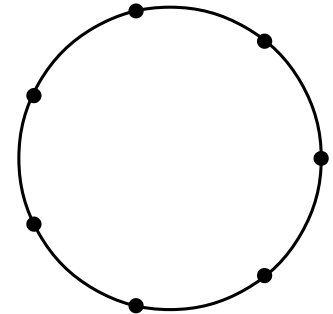


15 Connect the points to obtain ...

a). ... a five-point star



b). a seven-point star



16 Hamsters are very popular pets on the Cat Island. In one of the best Gentlecats Club of Cat Island four Gentlecats were discussing their pets.

Mr. Red: *Can you guess what color is my hamster?*

Mr. Fluffy: *I guess it's not white.*

Mr. White: *It is either beige or red.*

Mr. Short Tail: *I know it is beige.*

Mr. Red: *At least one of you is right AND at least one of you is wrong.*

What color is Mr. Red's hamster? _____

Insert figure from
HW unit 8
HW 10 2015

<i>If the hamster is ...</i>			
	... W	... B	... R
<i>Mr. Fl.</i>			
<i>Mr. W.</i>			
<i>Mr. ST.</i>		✓	

