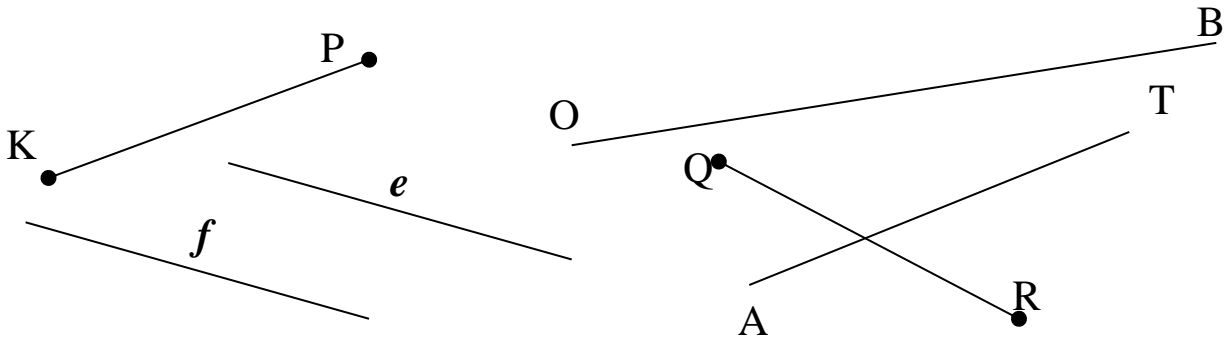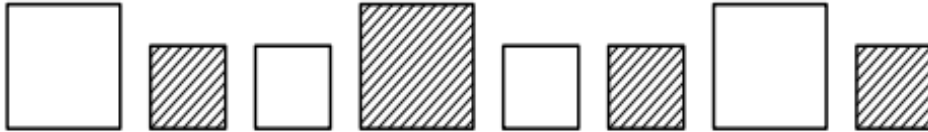# Math 3   Homework 5

1 Find straight lines and line segments. Trace the line segments with your pencil. Do they intersect? Extend the lines using a ruler and mark the intersections points.
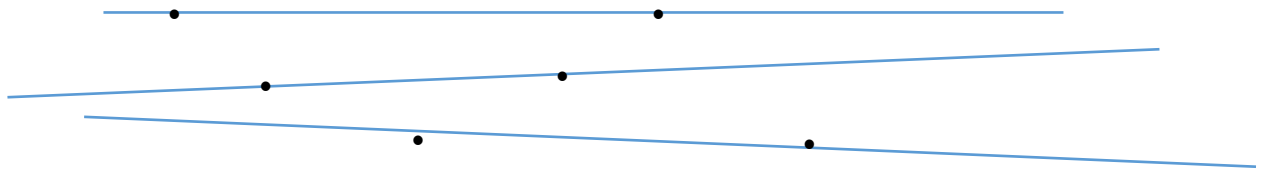Are there parallel lines? What are their names? _____

P

B

O

T

K

e

Q

f

A

R

2 Continue pattern – add 4 more rectangles.

3 a) How many points are marked on each line? - ☐
b) How many points are marked on all 3 lines? -   ☐

c) Draw 3 straight lines and place 3 points on each line in   such a way that you will get a total 6 points. *Hint:* lines can intersect.

4

There are 42 girls and 38 boys in the third grade of your school. 62 children are using bus to get to school and 10 girls are walking to school.

How many boys are walking to school? _____

Hint: break a problem into several small problems as we did in the class.

	Bus	Walking	Total
Boys			**38**
Girls		10	**42**
Total	**62**		

5

Complete the number patterns:

a) ____, _____, 290, 285, _____, _____

b) 486, 488, _____, _____

c) ____, 123, 223, ____, 423

6

Fill in the missed numbers in the brackets:

a) $643 = ($ $) + ($ $) + ($ $)$ b) $300 + 30 + 3 = ($ $)$

c) $302 = ($ $) + ($ $) + ($ $)$ d) $900 + 0 + 9 = ($ $)$

7

Find the correct time (you may use a real clock to help you):

a) It is 2:30 pm now. In one hour, it will be _____

b) It is 2:30 pm now. In 10 minutes, it will be _____

c) It is 2:30 pm now. Two hours ago, it was _____

8.

Use ONLY the four digits 5, 9, 0 and 8 to write the following numbers:

a) The greatest 4-digit number _____

b) 0 is in the one's place (write three different numbers) _____, _____, _____

c) 0 is NOT in the one's place (write three different numbers) _____, _____, _____

Two-way tables. Intersection of lines.

9. Calculate writing each problem in the columns (Don't forget to write ones under ones, etc.)

a) $324 + 81 + 7 =$ b) $402 + 109 + 30 =$ c) $799 + 101 + 55 =$

10
a) Draw a line segment $\overline{AB}$.
Draw another line segment $\overline{CD}$ in a way that the intersection between $\overline{AB}$ and $\overline{CD}$ is a point K.

b) Draw a line segment $\overline{AB}$ again below. Draw another line segment $\overline{EF}$ in a way that the intersection between $\overline{AB}$ and $\overline{EF}$ is a line segment $\overline{EB}$.

11

Remember the triangular numbers? Answer the following questions:
a) How many more bricks are there in the larger stack? _____
b) How many bricks should be added if you add one additional layer of the bricks? _____
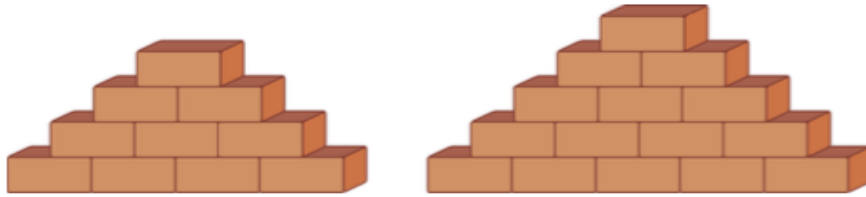
12

In a race the four fastest runners were Milan, Ronav, Ashton and Elliot. Find out who finished in 1st, 2nd, 3rd and 4th places. Make a table or drawing to help yourself.

- *Milan finished before Ronav.*

- *Ashton finished before Elliot.*

- *Elliot finished before Milan.*

13

Six eggs look identical except one is lighter. You have a balance scale and you can weight eggs only 2 times, but you can put any number of eggs on the scale during each weighting. How can you find out which one is lighter? Be ready to present your idea in the class.