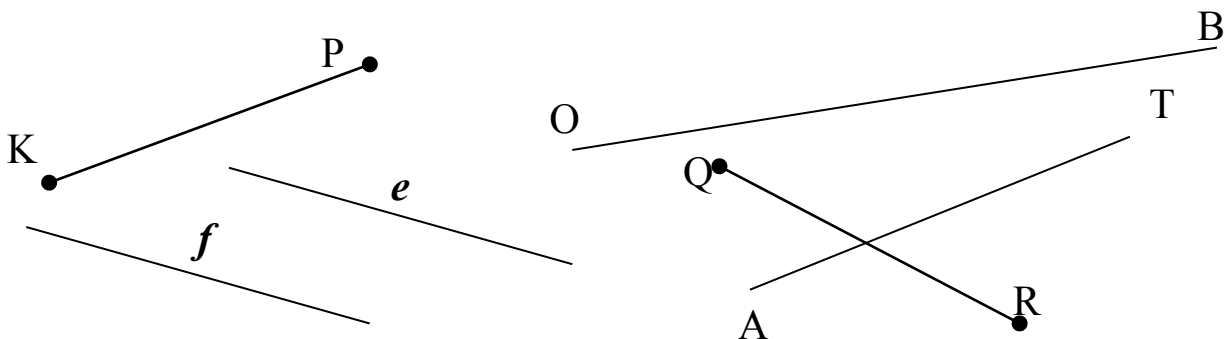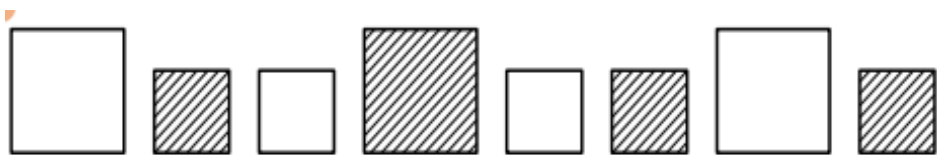**school nova** ™

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.
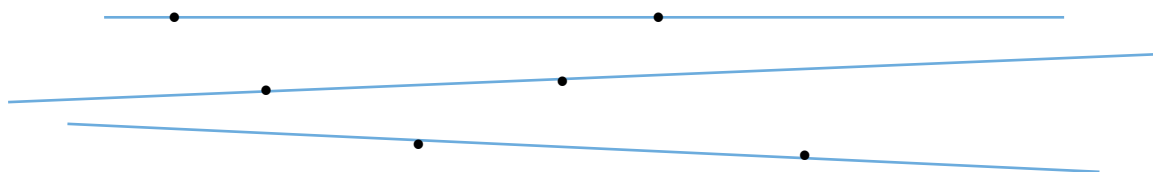Are there parallel lines? What are their names? _____

P

B

O

K

T

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 Fill in the missed numbers in the brackets:

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

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

5 Complete the number patterns:

a) ____, _____, 20, 25, _____, _____

b) 46, 48, _____, _____

c) ____, 123, 223, ____, 423

6 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 _____

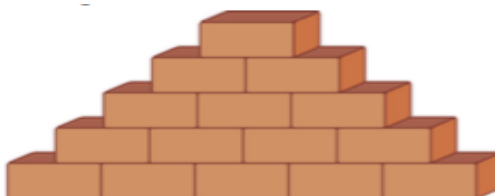**7** Calculate writing each problem in the columns (Don't forget to write ones under ones, etc.)

a) 324 + 81 + 4 =   b) 402 + 109 + 30 =   c) 299 + 101 + 55 =

8. 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? _____

9 Fill the missing numbers into the tables.

+	9	5	4
6			
8			
7			

+		5	8
8		13	
			17
12	19		

+	6		
	12		
14		35	
42			72

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 $\overline{EB}$.