

1. Count the number of line segments (lines that join pairs of dots) in each set of figures by marking each line segment as you count, as shown in the example:

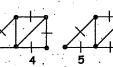
HINT: Count around the outside of the figure first.

Example:



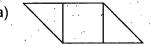




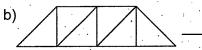




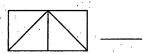












2. Continue the pattern below, then complete the chart:

Figure 1



Figure 2

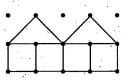
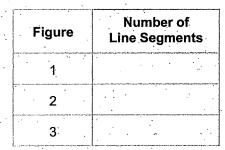


Figure 3



a) How many line segments would Figure 4 have?

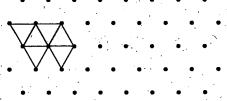
Continue the pattern below, then complete the chart:

b)	How many line segments would you	need
- 1	to make a figure with 5 triangles?	

Figure 1



Figure 2



Fig

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Figure 4

Figure	Number of Triangles	Number of Line Segments
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	о живе на подникателно, до то в обще от тобо на подоби у стот на богото в дост на историјанската.	Special and distribution of the special and th

a) How many line segments would Figure 5 have?

b) How many triangles would Figure 6 have?

Proc. T-tables (continued)

4. The snow is 17 cm deep at 5 pm.4 cm of snow falls each hour.How deep is the snow at 9 pm?

Hour	Depth of Snow
5 pm	17 cm

5. Philip has \$42 in savings by the end of July. Each month he saves \$9. How much will he have by the end of October?

Month	Savings
July	\$42
f	

Sarah's fish tank is leaking.
At 6 pm, there are 21 L of water in the tank.

At 7 pm, there are 18 L and at 8 pm, there are 15 L.

- a) How many litres of water leak out each hour?
- b) How many litres will be left in the tank at 10 pm?
- c) How many hours will it take for all the water to leak out?

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Hour	Amount of water in the tank
6 pm	21 L
7 pm	1,8 L
8 pm	15 L
9 pm	
10 pm	

7. A store rents snowboards at \$7 for the first hour and \$5 for every hour after that. How much does it cost to rent a snowboard for 6 hours?

8. a) How many triangles would April need to make a figure with 10 squares?







- b) April says that she needs 15 triangles to make the sixth figure. Is she correct?
- 9. Merle saves \$55 in August. She saves \$6 each month after that. Alex saves \$42 in August. He saves \$7 each month after that. Who has saved the most money by the end of January?