

# Math 2

## Homework 2

**1** Write down numerical expressions and find their values:

a) Subtract 38 from 74 \_\_\_\_\_

b) Add 37 to 18 \_\_\_\_\_

c) Subtract 12 from 20 \_\_\_\_\_

d) Add 24 to 43 \_\_\_\_\_

**2** Compare, using  $<$ ,  $>$  or  $=$ .

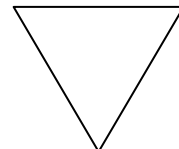
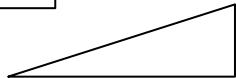
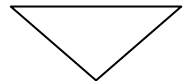
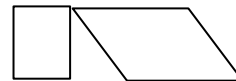
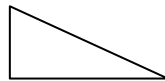
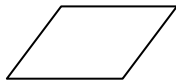
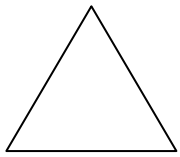
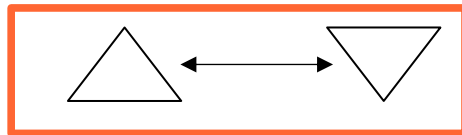
10 cm \_\_\_ 1 m

15 dm \_\_\_ 15 cm

100 cm \_\_\_ 1 dm

100 cm \_\_\_ 1m 1 dm

**3** Using a pairing rule, given in the box, find shapes that can be paired and connect them with a line. How many pairs did you find? \_\_\_\_\_



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Fill in the missing numbers:

a) 10, 20, \_\_\_\_, 40, \_\_\_\_, 60

b) 3, 5, \_\_\_\_, 9, 11, \_\_\_\_, 15

c) 18, 23, 28, \_\_\_\_, \_\_\_\_, 43

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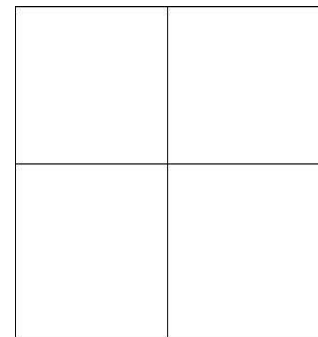
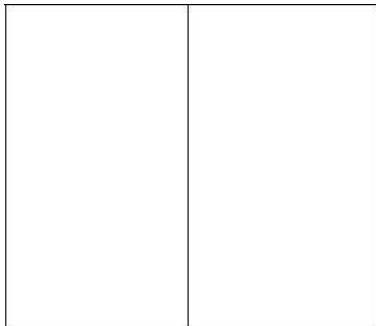
Write down inequalities and check if correct:

a) 7 is less than 9 plus 2 \_\_\_\_\_      b) 17 is bigger than 9 plus 6 \_\_\_\_\_

c) 13 is equal to 10 plus 3 \_\_\_\_\_      d) 25 minus 5 is less than 25 \_\_\_\_\_

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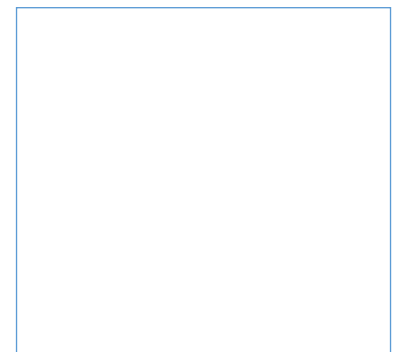
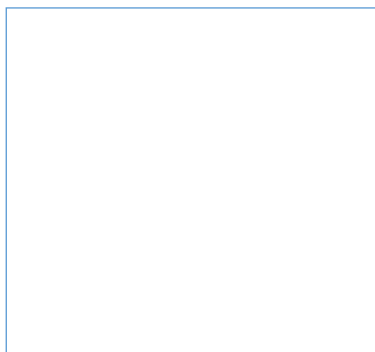
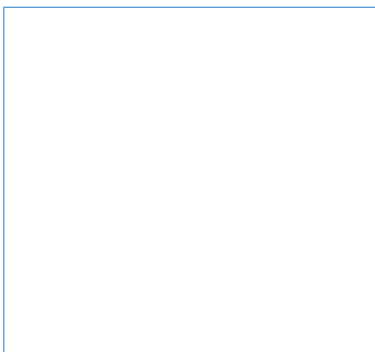
**A piece of paper can be divided by lines into regions.**



One line divides a piece of paper into 2 regions.

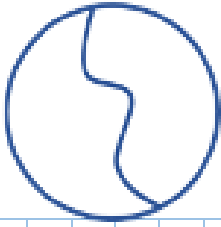
Two lines can divide it into 3 or 4 regions

**Q:** How many regions 3 lines can divide a piece of paper into? Try to consider all cases. Draw pictures using a ruler.

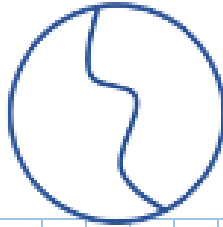


7 Solve for x and check your answers. Use a diagram if you need.

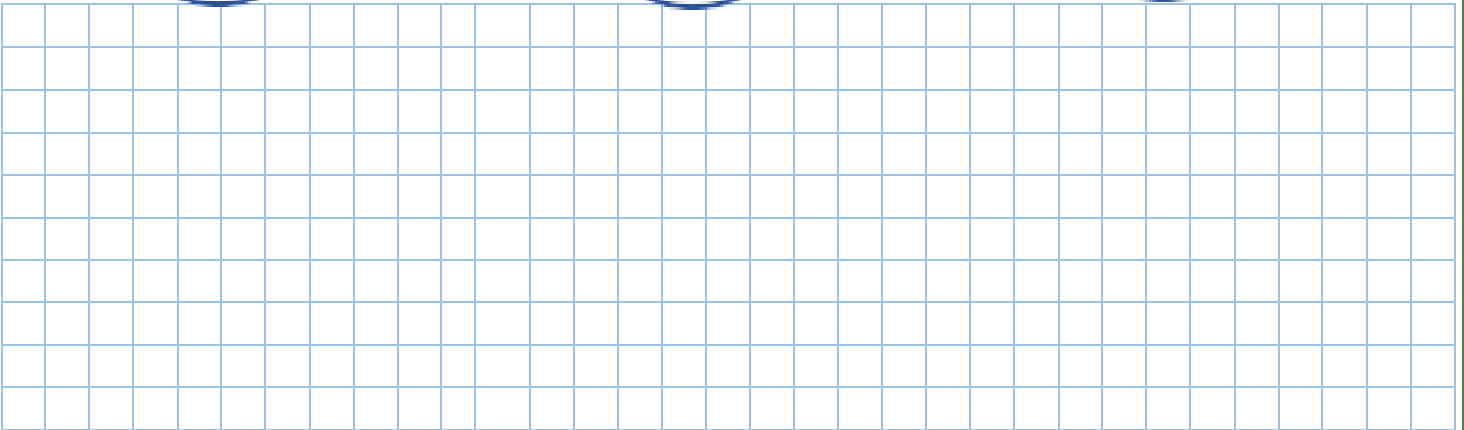
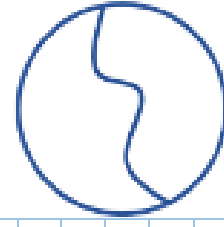
a)  $x + 28 = 34$



b)  $x - 21 = 24$



c)  $74 - x = 16$



8 Solve each of the number puzzles below:

$$\begin{array}{r} \phantom{+} \phantom{+} \phantom{+} A \\ + \phantom{+} \phantom{+} A \\ \hline \phantom{+} \phantom{+} MA \\ \phantom{+} SPA \end{array}$$

A = \_\_\_\_\_ M = \_\_\_\_\_ S = \_\_\_\_\_

$$\begin{array}{r} ME \\ + \phantom{+} ME \\ \hline BEE \end{array}$$

B = \_\_\_\_\_ M = \_\_\_\_\_ E = \_\_\_\_\_

9 Solve the problems:

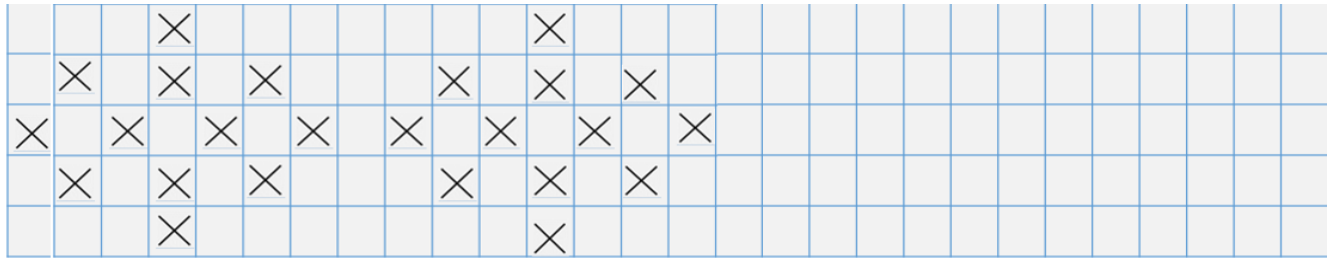
a) The piece of rope is 9 m and 20 cm long. If we cut 85 cm foff rom the rope, how long will be the remaining part of the rope? \_\_\_\_\_

b) Daniel was doing his homework. He spent 20 minutes on Monday, 25 minutes on Tuesday, and 30 minutes on Wednesday. How much time did Daniel spent on his homework? \_\_\_\_\_

\_\_\_\_\_

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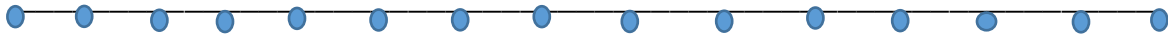
Continue the pattern:



Challenge yourself

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Paul lives on the 7<sup>th</sup> floor of 15 – story building if you counting from the top. Which floor does he live on?



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The Pails Problem. There are three full and three empty pails. By making only one move, can you line up the pails so that the full and empty ones will alternate. Write your answer or draw a picture.

