

- 4 a) Write down ALL two-, and three-digit numbers that can be written using the digits 5 and 0. Arrange all these numbers in **descending order (from greatest to smallest)**.

- b) Write down ALL two-, and three-digit numbers that can be written using the digits 5 and 1. Arrange all these numbers in **ascending order (from smallest to greatest)**.

- 5 “Lazy caterer” cuts up the pizza pie and he doesn’t care about the size or shape of the pieces.



If “Lazy caterer” cuts the pizza once, the maximum number of pieces gets is 2. It is easy to see, that if he cuts it twice, the maximum number of pieces is 4 (as can be seen above). But it can also be 3.

- a) Draw the picture of a pizza pie and show how he can cut the pizza in three pieces using 2 cuts.

b) Draw the pictures of a pizza pies. Show how can he gets 6 pieces with 3 cuts.
Can he get 7 pieces with 3 cuts?

6 How many hours and minutes are between the first and the second times?

First time:	Second time:	Elapsed time:
10 am	1 pm	_____
3:10 pm	6:30 pm	_____
4:40 am	8:10 pm	_____
3:22 am	6:15 pm	_____

7 There are three boxes: one with apples, another with pears, and the third with bananas. However, the label on each box does not match its content. We know that the box with the label “Bananas” contains pears. Which box contains apples?

Apples

Bananas

Pears

8

Solve number puzzle:

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

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

A = _____ M = _____ S = _____

B = _____ M = _____ E = _____

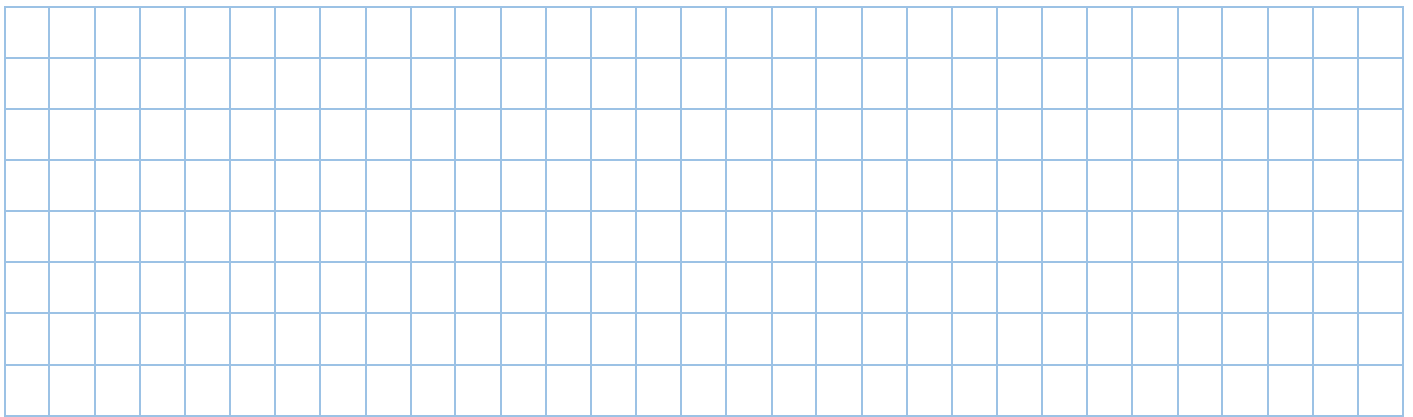
9

Solve for x and check your answer:

$x + 35 = 49$

$211 - x = 102$

$x - 288 = 465$



10

Open the parentheses and simplify the answer:

$(a + 20) - a = \underline{\hspace{4cm}}$

$(b + 10) - (a + b) = \underline{\hspace{4cm}}$

$(a - b - d) + (b + d) = \underline{\hspace{4cm}}$

$(25 - m) + (10 + m) = \underline{\hspace{4cm}}$