

1

Arrange given groups of numbers from least to greatest:

a) 209, 69, 19, 199, 9, 109 _____

b) 46, 116, 306, 26, 6, 176 _____

2

Write the numbers.

a) Seven hundred four _____

b) Five hundred forty _____

c) 3 hundred 4 ones _____

d) 8 hundred 2 tens _____

3

Write the value of the underlined digit.

a. 45 – forty (4 tens)

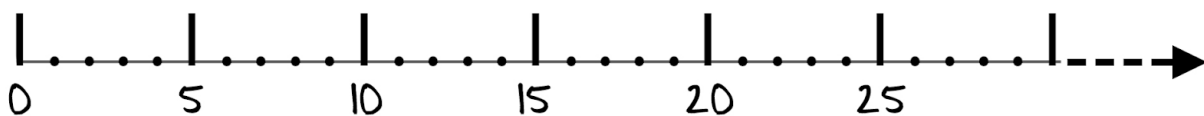
b. 68 _____

c. 719 _____

d. 801 _____

e. 430 _____

f. 182 _____



On the number line above find and mark the numbers:

a) greater than 5 and less than 10: : _____

b) less than 18 and greater than 14: _____

5

Write the number 222 in Mesopotamian's symbols.

(ones were written as Δ , tens as \blacktriangleleft , and 60 as \blacktriangledown).

HW 3

Place value, number line.

6

Fill in the blanks with $<$, $=$ or $>$.

$$4 \text{ tens} + 3 \text{ ones} \quad \underline{\hspace{2cm}} \quad 4 \text{ tens} + 2 \text{ ones}$$

$$8 \text{ tens} + 0 \text{ ones} \quad \underline{\hspace{2cm}} \quad 0 \text{ tens} + 8 \text{ ones}$$

$$2 \text{ hundreds} + 0 \text{ tens} + 5 \text{ ones} \quad \underline{\hspace{2cm}} \quad 2 \text{ hundreds} + 5 \text{ tens} + 0 \text{ ones}$$

$$5 \text{ hundreds} + 2 \text{ ones} \quad \underline{\hspace{2cm}} \quad 50 \text{ tens} + 2 \text{ ones}$$

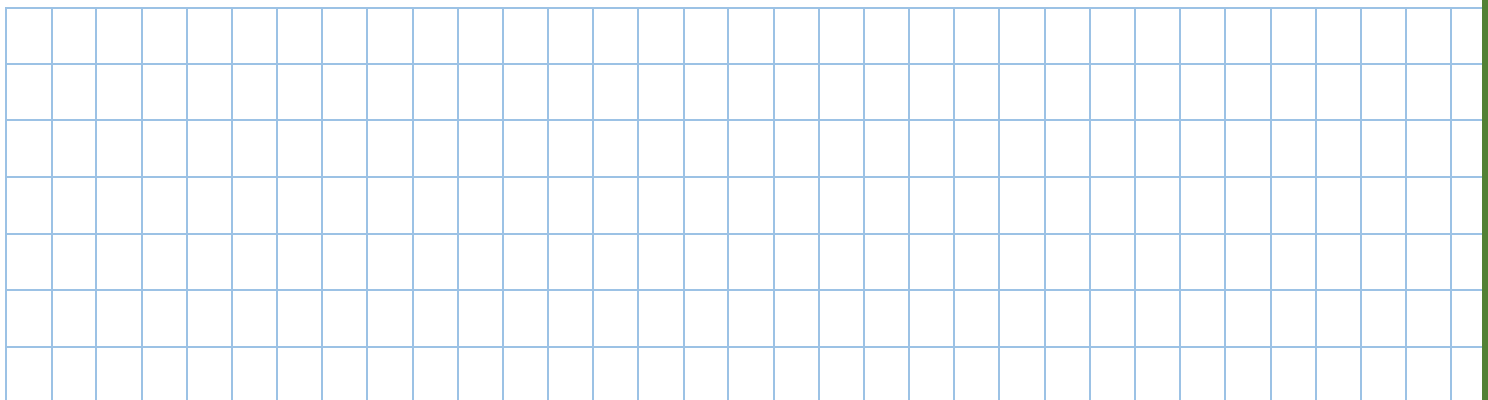
7

Solve for x :

$$x - 1 = 100$$

$$99 + x = 100$$

$$101 - x = 100$$



8

Is it TRUE? Move one number to make the following equations TRUE:

Example: $1 + 2 + 3 = 4$ - False; $2 + 3 = 4 + 1$ - True

$$11 + 12 + 13 = 14 \quad \underline{\hspace{4cm}}$$

$$3 + 9 + 6 = 2 + 4 \quad \underline{\hspace{4cm}}$$

$$21 + 22 + 24 = 23 \quad \underline{\hspace{4cm}}$$

$$3 + 7 + 11 = 5 + 10 \quad \underline{\hspace{4cm}}$$

$$11 + 21 + 16 = 2 + 3 \quad \underline{\hspace{4cm}}$$

9

Using a ruler, divide a given rectangle into 4 equal pieces in 4 different ways.



10

Write the expressions instead of words sentences:

- a) the sum of 29 and 2 is greater than A _____
- b) B is greater than the difference between 20 and 5 _____
- c) C is equal to the sum of 11, 32 and 40 _____
- d) the difference between 100 and D is less than E _____

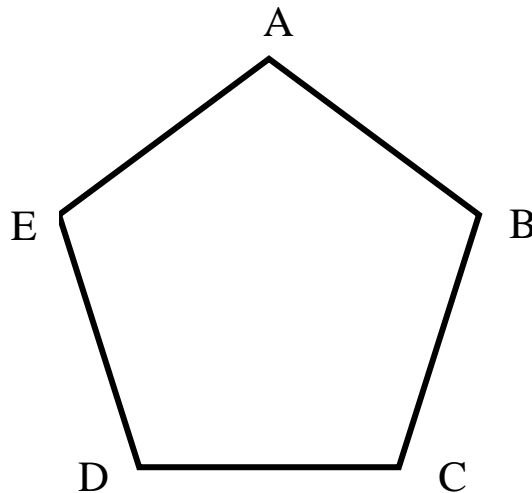
11

I have ten boxes, with a total weight of 75kg: 15 kg, 13 kg, 11 kg, 10 kg, 9 kg, 8 kg, 4 kg, 2 kg, 2 kg, 1 kg.

I want to pack the boxes into 3 crates, but each crate can carry a maximum of 25 kg. How can I pack the boxes into the crates? (There may, or may not, be more than one way!)

12

Using a ruler, connect point A with points D and C. Also Connect points E and B. How many triangles can you find on the picture?

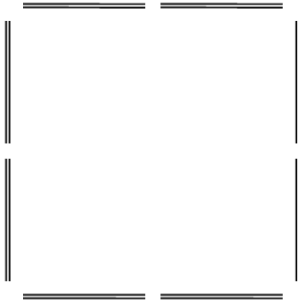


Matchsticks puzzles:

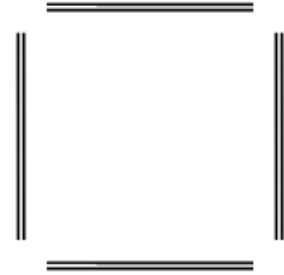
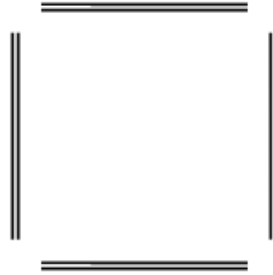
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Using 8 matchsticks, you can make one square or two squares.

one square:



two squares:



Look at the picture below. Make the same shape on your table (instead of matchsticks you can use toothpicks or any other short sticks of the same length)?

Remove 2 matchsticks (do not touch the other matches) to get 3 squares. How many matchsticks should you remove to get 2 squares?

Draw your solutions here.

