**Тема:**  «Метрические понятия»

**Цель:** Повторить грамматический материал, продолжить изучать лексическую тему «Математические и геометрические понятия».

**Задачи:** Отработать навык работы (в т.ч. перевода) с профессиональной лексикой по теме «измерения», повторить тематический материал, актуализировать имеющиеся знания.

**Специальность:** ОУП.03, ОГСЭ.03

**Время выполнения:** 90 минут

1. **Learn the glossary**
2. **Read the text**
3. **Do the tasks**

**DISTANCES & DIMENSIONS**

Speaking of geometry, we often imagine shapes and dimensions, measures and solids, points and lines, and yepp, you are right. Geometry is about it. It deals with shapes and regularity of measures.

You probably know all the common words for distances and dimensions, such as broad, wide, tall, high, long, short, low, far, deep and also its derivatives (broaden, widen, width, heighten, height, lengthen, length, shorten, lower, faraway, deepen, depth …). In mathematics you will often come across different pictures like the one below where you have to calculate out all measurements. And calculations of course may play tricks, especially when you deal with massive forms and complicated digits. Learning geometry is tough, but the result is nothing but a precious knowledge, that may help to understand plenty of issues.

1. **Write down the opposites of the following:**
2. a length of the room – *a width 5.* shallow water
3. a tall person 6. a faraway place
4. to shorten 7. a low mountain

**2. Answer the following questions:**

1. What is longer: a centimetre or an inch? *An inch*
2. Is one metre as long as a yard?
3. Which building is taller: 50-metre or 50-feet one?
4. Who drove faster: the driver who was driving 80 miles/hour or the one who was driving 80 km/h?
5. Do you get the same if you buy one kilo of cherries or one pound of them?
6. Which is lighter: one gram or one ounce?
7. If m is a symbol for 1 metre, should you write two metres as 2 ms?
8. Which spelling is correct metre or meter?
9. What is the symbol for litre: L or l?
10. How should you punctuate this number 6455340000?
11. Are tons and tonnes the same thing?

**3. Write the following words with numbers:**

1. Three minus three plus sixteen divided by four equals four. 3 – 3 + 16 : 4 = 4
2. Twelve plus six divided by nine times ten minus two equals eighteen.
3. Sixteen point five plus one point three four minus ten point eight six equals six point nine eight.
4. The square root of thirty-six multiplied by four cubed equals three hundred eighty-four.
5. **Fill in the gaps with the appropriate geometry terms:** a ray; a point; a line segment;a line
6. A\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is an exact location in space. They are shown as dots on a plane in 2 dimensions or a dot in space in 3 dimensions. It is labeled with capital letters. It does not take up any space.  
   2) A **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** is a geometric figure that consists of an infinite number of points lined up straight that extend in both directions for ever (indicated by the arrows at the end). A line is identified by a lower case letter or by two points that the line passes through. There is exactly 1 line through two points. All points on the same line are called collinear. Points not on the same line are noncollinear. Two lines are either parallel or they will meet at a point of intersection.  
   3) A **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** is a part of a line with two endpoints. A line segment starts and stops at two endpoints.  
   4) A **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** is part of a line with one endpoint and extends in one direction forever.
7. **Complete the sentences below with the correct expression, choose from:** diameter, square, measures, thick, high, long, wide, circumference (some are used more than once)
8. This garden *measures* 28.5 meters by 36.
9. That ball has a \_\_\_\_\_\_\_\_\_\_\_ of 77 centimeters and a \_\_\_\_\_\_\_\_\_\_\_ of 28.5.
10. Our classroom \_\_\_\_\_\_\_\_\_\_\_ 5.99 by 8.8 meters, that’s almost 42 \_\_\_\_\_\_\_\_\_\_\_ meters.
11. The rug is 1 meter \_\_\_\_\_\_\_\_\_\_\_ and 0.7 meters \_\_\_\_\_\_\_\_\_\_\_.
12. My mouse pad is approximately one centimeter \_\_\_\_\_\_\_\_\_\_\_.
13. The new building is 86 meters \_\_\_\_\_\_\_\_\_\_\_.