

MATH 4: Homework 14

Due January 20, before the start of the class

Homework must be submitted on time—at least 15 minutes before the start of the class.

Homework will not be graded after the solutions are posted on Google Classroom.

Write the answers on separate sheets of paper, not between the lines.

- Compare the decimals. (Hint: if you had to draw them on a number line, which one is larger)
 - 43.121 and 43.9
 - 4.2000 and 4.2
 - 0.63 and 0.6039
 - 8.5 and 9
 - 100.01 and 10.001
 - 7 and 7.001
- Round the following decimals 27.259; 107.962; 21.065; 19.999
 - to the hundredths
 - to the tenths
 - to the ones
- Mitko went to the shop and bought 2kg apples for \$1.34, 3 yogurt for 56 cents, and 5 cupcakes for \$1.19 each. How much did he spend? How much money has he left if he had in his wallet \$15? (Hint: convert the cents in \$)
- If 1 kg = 1000g , 1 mg = 1/1000 g and 1t = 1000 kg
kilogram milligram ton
 - Convert to kg: 3 567g , 750 g, 24 g, 12 088g
Example: 1 kg = 1000 g, then 3kg = 3000 g, divide g by 1000
3 567g:1000 = 3.567 kg
 - Convert to metric tons: 258 kg, 5 780 kg, 185 968 g, 57 kg
- Find the unknown
 - $x \cdot 100 = 3410$
 - $x : 10 = 0.02$
 - $1000 \cdot x = 5.23$
- Using a ruler, draw line segments $\overline{AB} = 6.8$ cm and $\overline{CD} = 38$ mm. They should not cross. Find the length of the segments $AB + CD$ and $AB - CD$ in centimeters. Label a point M on your page. Draw a ray \overrightarrow{MN} starting at M with a length of $AB + CD$. Draw a ray \overrightarrow{MP} starting again at M, with a length of $AB - CD$.