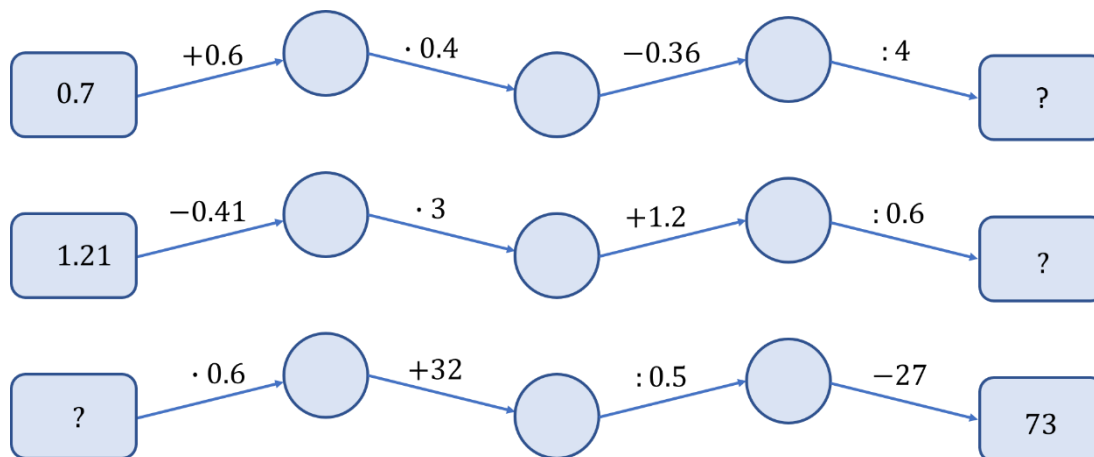


Math 4c. Homework 16.

1. 1 kilogram of candies costs 16 dollars. How much

- a. 0.5 kg will cost?
- b. 1.2 kg will cost?
- c. 0.75 kg will cost?
- d. 0.4 kg will cost?
- e. 2.5 kg will cost?

2. What number should be placed instead of “?”



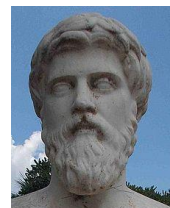
3. Ancient Greek scientist Aristotle was born in 384 and died in 322. Another Greek scientist Pythagoras was born in 570 and dies in year 495. Ancient Greek historian Plutarch was born in 46 and died in 120. Who among them was born earlier? For how long did they live?



Aristotle



Pythagoras



Plutarch

4. Compute:

- | | |
|--------------------------------|-------------------------------|
| <i>a.</i> $2.45 \cdot 10$; | <i>e.</i> $9.674 \cdot 100$; |
| <i>b.</i> $0.54 \cdot 1000$; | <i>f.</i> $0.39 \cdot 10$; |
| <i>c.</i> $1.25 \cdot 10000$; | <i>g.</i> $34.9 \cdot 100$; |

5. Compute:

- | | |
|-------------------------------|---------------------------|
| <i>a.</i> $24.5 : 10$; | <i>e.</i> $967.4 : 100$; |
| <i>b.</i> $0.54 : 1000$; | <i>f.</i> $0.39 : 10$; |
| <i>c.</i> $12556.7 : 10000$; | <i>g.</i> $34.9 : 100$; |

6. A few kids went to the forest to pick mushrooms. If Anya gives half of her mushrooms to Vita, all the children will have equal number of mushrooms, if instead Anya gives all her mushrooms to Sasha, then Sasha will have as many mushrooms as all the other kids combined. How many kids went to the forest for mushrooms?

7. Draw a number lines and mark the points with the following coordinates on it. For each exercise choose the best scale. Use a ruler!

- a.* $A\left(\frac{1}{5}\right), B\left(\frac{3}{5}\right), C\left(-\frac{2}{5}\right), D\left(1\frac{2}{5}\right), E\left(-1\frac{1}{5}\right), F\left(\frac{1}{2}\right), G\left(-\frac{1}{2}\right)$;
- b.* $A(50), B(-75), C(150), D(200), E(-300), F(250)$;
- c.* $A(12), B(-3), C(10), D(-5), E(7), F(-10)$;