

Math 4a. Homework 1.



1. Mary and Julia are twins. They invited 28 friends to their birthday party. Mary wrote 3 times as many invitation cards as Julia did. How many cards did Julia write? (Draw a schematic picture of the problem if it can help you.)

2. Find missing digits:

$$\begin{array}{r} 370\Box \\ + \Box9\Box8 \\ \hline 9\Box40 \end{array}$$

$$\begin{array}{r} \Box20 \\ - 4\Box7 \\ \hline 36\Box \end{array}$$

$$\begin{array}{r} 3\Box05\Box \\ \times 8\Box\Box \\ \hline \Box\Box\Box45 \\ + \Box96\Box\Box \\ \hline 2\Box\Box\Box\Box\Box0 \end{array}$$

$$\begin{array}{r} \Box\Box\Box \\ 8\overline{)\Box\Box\Box\Box} \\ \underline{-3\Box} \\ \Box\Box \\ \underline{-2\Box} \\ \Box\Box \\ \underline{-\Box\Box} \\ 0 \end{array}$$

3. Compare without doing calculations (put $<$, $>$, or $=$):

a. $2453 + 235$ ____ $2453 + 236$

b. 234×123 ____ 234×122

c. $2341 - 123$ ____ $2341 - 122$

d. $456 \div 4$ ____ $456 \div 3$

e. $a \div 4$ ____ $a \div 3$

f. $b + 235$ ____ $b + 236$

4. Place parentheses into the following expression so that the statement is true.

a. $15 - 35 + 5 \div 4 = 5$

b. $60 + 40 - 16 \div 4 = 66$

c. $24 \div 56 - 8 \times 4 = 1$

d. $96 - 12 \div 6 \times 3 = 8$

e. $64 \div 64 - 8 \times 4 = 2$

f. $63 \div 9 + 54 = 1$

g. $75 - 15 \div 5 + 10 = 22$.



5. Peter and Robert went camping. They walked 14 km and rested.

After the rest, they walked 6 km less than before the rest and stopped for the night.

Now, they have to go three times the distance they have already covered. How long is the planned trip?