## school nova.

## Homework 8

1. 

Subtract. Then, check your answers by adding.
$\begin{array}{r}\hline 400 \\ \hline 285 \\ \hline-17 \\ \hline\end{array}$

$+$


2.

Alex has $\boldsymbol{a}$ books, Boris has $\boldsymbol{b}$ books, and Victor has $\boldsymbol{c}$ books. Explain the meanings of the following expressions:
$a+b$ how many books Alex and Boris had together;
$a+c$ $\qquad$
$a-c$ $\qquad$
$b+c$ $\qquad$
$a+b+c$ $\qquad$
$b-c$ $\qquad$
3. The distances between a tower, a tree, and a cave are shown in the drawing. What will you find out if you perform the following actions?
$15+15$ distance from tower to tree and back
$15+45$
$45+35$
$15+35+45$ $\qquad$

4.

Compare using $>,<$, or $=$.
456-c $365-c$
$207+d \quad 720+d$
$a+25 \quad a+125$
$x-111 \quad x-9$
$340-0 \quad 340+0$
$b-602 \quad b-62$
5.

Draw two closed curves, one inside the other. Draw an open curve that intersects each of the closed curves at two points. Label the intersection points with any letters you choose.
6. Solve for x . Use diagrams. Check your answers.

$$
800-x=162
$$

$$
x+487=503
$$

$$
x-58=679
$$


$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
7.

Fill the missing numbers into the table:

| $2 \mathrm{~m}=$ | 20 dm | $=200 \mathrm{~cm}$ | $6 \mathrm{~m}=$ | $\mathrm{dm}=$ | cm |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $3 \mathrm{~m}=$ | $\mathrm{dm}=$ | cm | $7 \mathrm{~m}=$ | $\mathrm{dm}=$ | cm |
| $4 \mathrm{~m}=$ | $\mathrm{dm}=$ | cm | $8 \mathrm{~m}=$ | $\mathrm{dm}=$ | cm |
| $5 \mathrm{~m}=$ | $\mathrm{dm}=$ | cm | $9 \mathrm{~m}=$ | $\mathrm{dm}=$ | cm |

8. Complete the statements to make them correct:

A watch measures $\qquad$
Every car has a(n) $\qquad$
Some kids like $\qquad$
A watch does not measure $\qquad$
All schools have $\qquad$
A scale measures $\qquad$
Some trees $\qquad$

Write an equation to solve each problem below. Check your answers.
a) From which number should 482 be subtracted to get 218 ?
b) Which number should be increased by 357 to get 600 ?
c) By how much should the number 820 be reduced to get 525 ?
a)
b)
c)

10.

I have 1 litre of sprite. I give 300 ml to William, 200 ml to Pau Pau and 250 ml to Mickey. How much do I have left?
11.

Write down the following expressions:
The sum of $\boldsymbol{m}$ and $\boldsymbol{n}$ $\qquad$
The difference between 34 and $\boldsymbol{x}$ $\qquad$
The difference between 200 and 48 $\qquad$
The sum of $\mathbf{3}$ and $\mathbf{1 8}$ $\qquad$
12. The * is a missing one digit number. Is it possible to compare the lengths below?
$2 \mathrm{dm} * \mathrm{~cm} \quad \square 3 \mathrm{dm} * \mathrm{~cm} \quad 7 \mathrm{dm} * \mathrm{~cm} \quad \square \quad * \mathrm{dm} 9 \mathrm{~cm}$
$6 \mathrm{dm} * \mathrm{~cm} \quad \square \quad 6 \mathrm{dm} 9 \mathrm{~cm}$
$2 * \mathrm{~cm} \quad \square \quad 5 \mathrm{dm} 1 \mathrm{~cm}$
13.

Fill in the missing digits in the empty boxes.

14. Remember the Addition property of Equality?

Imagine the scale when you solve the equations below!

$X-10=3+56$
$x+20=45+180$
$\mathrm{x}-\mathrm{b}=10-\mathrm{b}$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
15.

Find the perimeter of the figures below (use the ruler to measure)
a) $A$

B
D

C
[AB]= $\qquad$ cm
[BD] $=$ $\qquad$ cm
[CD] $=$ $\qquad$ cm
[AC]= $\qquad$ cm
$\qquad$
$\mathrm{P}=$
b) $\boldsymbol{F}$


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