1. You just got a free ticket for a boat ride, and you can bring along 2 friends! However, you have 6 friends who want to come along. How many different groups of friends could you take with you?

## 2. Compute:

$(-35) \times \frac{-1}{7}=$
$17 \times \frac{-1}{-17}=$
$\frac{-35}{\frac{5}{-7}} \times \frac{-1}{7}=$
3. Two towns on the opposite banks of the same river are 30 km apart. It takes a motor-boat 2 hours to get from one side to another and 1 hour 30 min to return. Assuming the boat is traveling with the same speed (call it $x$ ) and the river's current is the same (call it $y$ ) try to write down system of equations for x and y and to solve it for x and y .
4. The area of the triangle depicted below is $24 \mathrm{~cm}^{2}$. Find $x$.

5. Solve equations:

$$
(-5) x+(-34)=-(-16) \quad 0.25(x+0.2)=10
$$

6. Find the area $(S)$ of the triangles

A

7. Compute:
a) $(0.456-0.356) 748=$
b) $76(3.14-0.23)-0.23(76+10)=$
8. Simplify:
$\frac{1}{(1-x) x}-\frac{1}{x}-\frac{1}{1-x}=$

