1. On a plane 5 points are marked on a straight line and 1 point is marked not on a line. How many different triangles can be drawn?
2. There are 7 points marked on a plane, any three of them do not belongs to the same line. How many triangles can be drawn?
3. The volume of the can is 4 liters, which is $\frac{2}{7}$ the volume of the canister and $2 \%$ of the volume of the barrel.
a) How much more liquid does the barrel hold than the can and canister taken together?
b) How many times is the volume of the barrel greater than the volume of the can?
c) How many canisters can be poured from a barrel filled to the brim? How much liquid is left?
4. Write an expression to answer the question of the problem and find its value for the given values of the variables:

## Example:

Alex is $t$ years old, and John is $n$ years older. How many times will Alex be younger than John in 3 years? $(t=2, n=10$.)
Alex $\rightarrow$ t years
John $\rightarrow t+n$ years
In three years:
Alex $\rightarrow t+3$ years
John $\rightarrow t+n+3$ years

$$
\frac{t+n+3}{t+3}=\frac{2+10+3}{2+3}=\frac{15}{5}=3
$$

times John is older than Alex.
a. Antony lives at a distance of a $m$ meters from the school. How long will it take him to travel from home to school if he walks at a speed of $b \mathrm{~m} / \mathrm{min} ?(\mathrm{a}=800, \mathrm{~b}=50$.
b. Robert walked through the forest $c \mathrm{~km} \mathrm{~km}$, and on the field $d \mathrm{~km}$. The whole journey took him $t$ hours. With what speed did he walk if the speed did not change along the way? $(c=5, d=1, t=2$. $)$
5. Evaluate (answer 26):

$$
\left(\frac{0.8:\left(\frac{4}{5} \cdot 1.25\right)}{0.84-\frac{1}{25}}\right)^{2}+\left(\frac{\left(1.08-\frac{1}{25}\right): 2 \frac{3}{5}: 0.6}{\left(2 \frac{1}{25}-1 \frac{4}{5}\right): 1 \frac{4}{5}+(2.6-2.6) \cdot 5 \frac{1}{25}}\right)^{2}
$$

