1) Find the value of the formula using the numbers given
a) $\mathrm{T}=11(\mathrm{z}+\mathrm{a}) \quad$ when $\mathrm{a}=2$ and $\mathrm{z}=7$
b) $\mathrm{L}=4(3 \mathrm{c}+\mathrm{b}) \quad$ when $\mathrm{c}=-5$ and $\mathrm{b}=-6$
c) $T=4(5 y+3 b+3 x)$ when $x=-3, y=5$ and $b=2$
2) The circumference of a circle can be found using the formula

$$
\mathrm{C}=2 \pi r \quad \text { or } \quad \mathrm{C}=\pi \mathrm{d}
$$

Find the circumference of a circle with radius 8 cm . Leave your answer to one decimal place. (for $\pi$ use 3.14)
3) The area of the sector of a circle can be found using the formula

$$
\mathrm{A}=\frac{\mathrm{x}}{360} \times \pi \mathrm{r}^{2}
$$

Find the area of the sector of a circle with radius 6 cm and (angle) $x=90$. Leave your answer to one decimal place.
4) The surface area of a cuboid can be found using the formula $A=2 l h+2 w h+2 l w$.
5) The volume of a cone can be found using the formula $V=\frac{1}{3} \pi r^{2} h$. Find the volume of a [ cone with radius 6 meters and height 3 meters. Round your answer to nearest whole number.
6) The formula to convert Fahrenheit to Celsius is $\mathrm{C}=\frac{5}{9}(\mathrm{~F}-32)$. Find the temperature in Celsius if the Fahrenheit reading is $13^{\circ} \mathrm{F}$. Round your answer to nearest whole number.
7) The compound interest of a bank account can be found using the

