Name _____

1. Convert 9.62×10^7 zL to TL.

2. Convert 7 square yoctometers to square centimeters

3. Convert 5.68×10^{-7} µL/Ym^3 to PL/Mm^3.

4. Convert 1.5 m/s to cm/h.

5. Convert 7.44 cm^3 to L.

1. Convert 9.62×10^7 zL to TL.

> $(-21 - 12) \times 1 + 7 = -26$
>
> 9.62×10^{-26} TL

2. Convert 7 square yoctometers to square centimeters

> **$(-24 + 2) \times 2 + 0 = -44$**
>
> **7.0×10^{44} cm^2**

3. Convert 5.68×10^{-7} µL/Ym^3 to PL/Mm^3.

> $(-6 - 15) \times 1 - 7 - [(24-6) \times 3] = -28 - 54 = -82$
>
> **$5.68 \times 10\text{^}-82$ PL/Mm^3**

4. Convert 1.5 m/s to cm/h.

> 1.5 m/s = 150 cm/s
>
> 150 cm/s = 360,000 + 180,000 = 540,000 cm/h

5. Convert 7.44 cm^3 to L.

> Convert 7.44 mL to L
>
> 7.44×10^{-3} L