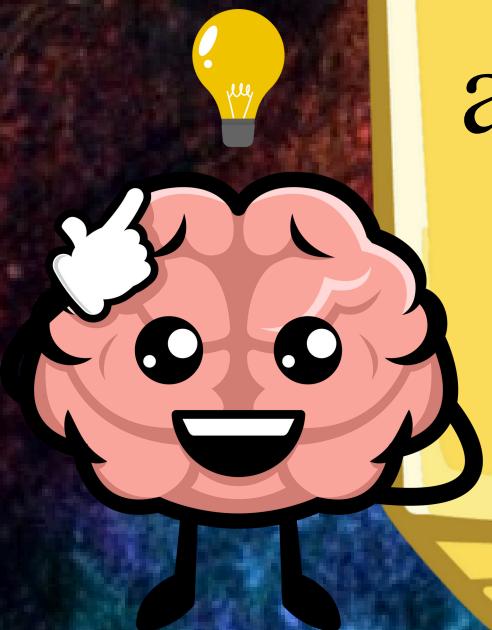




Steps in problem solving

In problem solving, there are steps to follow:



Example problem:
Jayson is 160 cm tall, and his sister Joan is $\frac{7}{8}$ as tall as him. How tall is Joan?





Example problem:

Jayson is 160 cm tall, and his sister Joan is $\frac{7}{8}$ as tall as him. How tall is Joan?

1. Identify the given facts (Identify the information given and what you need to solve the problem).
 - 160 cm - height of Jayson
 - $\frac{7}{8}$ as tall as Jayson - Joan's height
2. Understand what is asked (Figure out what the problem is asking for).
 - Height of Joan.





Example problem:

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3. Determine the operation and the number sentence (Choose the math operation to use and write the number sentence).

- The operation to be used is Multiplication.
- The number sentence is $\frac{7}{8} \times 160 = N$



4. Solve it (Calculate the answer).

- $\frac{7}{8} \times 160 = \frac{1120}{80} = 140$
- Therefore, Joan's height is 140 cm



Example problem:

Jayson is 160 cm tall, and his sister Joan is $\frac{7}{8}$ as tall as him. How tall is Joan?

5. Check your work: Review your answer to see if it's correct.

$$- \frac{140}{160} \times 160 \div \frac{2}{2} = \frac{7}{8}$$

