EXERCISES ON PERMETER WITH METRIC LENGTH CONVERSIONS

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Tolentino Tuition, Grade 7 Mathematics

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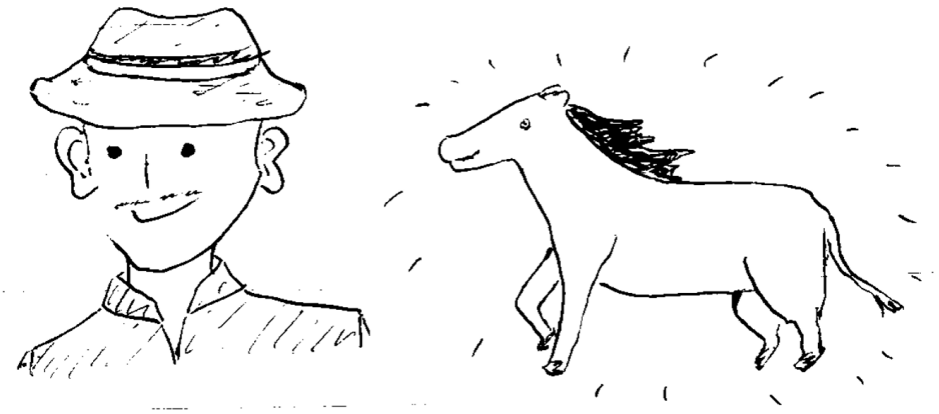
EXERCISE 1

Francis is a farmer who owns a barn. He wants to build a rectangular enclosure for his new horse.



1. Francis wants to use one of the side walls of his barn as one of the shorter sides of the rectangular enclosure. He then plans to erect wooden fences for the remaining three sides to create the rectangular enclosure.

   Can you draw a diagram representing a top view of Francis' barn and the new rectangular enclosure he wants to build?

*Please assume that Francis uses the entire side wall!

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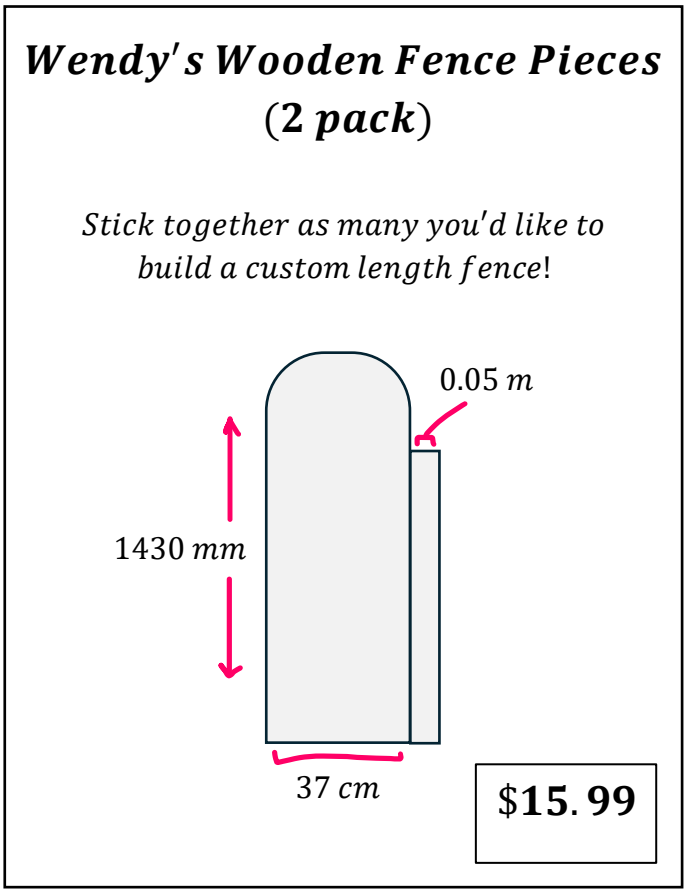
2. If Francis wants the longest side of the rectangular area to be $25.62\ m$, and the side wall of his barn has a length of $1260\ cm$, what will be the perimeter of the wooden fencing that he erects in mm?

3. Now that Francis knows the perimeter of the fencing required to build the enclosure, he travels to the hardware store to purchase wood for the fences.

   He finds the following product:



A. Francis' friend Rick is a horse expert, who told him that the recommended height for horse fences is 1.37 m at the minimum. Do *Wendy's Wooden Fence Pieces* meet this height recommendation?

B. Francis decides that he will use *Wendy's* pieces to build his fence. How many packs of the pieces will he need to purchase in order to build his desired perimeter of fencing?

   i. How much will this cost him?