Financial and Workplace Math 110

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Hello Anya, Austin, Cynthia, Ethan, Faith, George, Harley, Ivy, Josie, Lukas, Nathan, Sam and Valery! I hope you are getting outside to enjoy the sun while fitting some home learning into your day.
NOTE: If you are working towards a **Credit** in this course, instead of Enrolled on your transcript, please let me know so I can monitor your progress.

Last week we looked at the **scale** used in workplace drawings and how it can be expressed with units (1 cm to 1 km) or as a **ratio** without units (1 : 100 000). In order to get rid of the units you must convert to the same units (smallest) and then delete them. We practiced converting with metric units, now let's look at **Imperial** measures.   https://www.youtube.com/watch?v=EGyyEL0zeOI

- Conversion worksheet – see PDF called Conv Imp

- Practice scale and ratio – see PDF called Practice 1
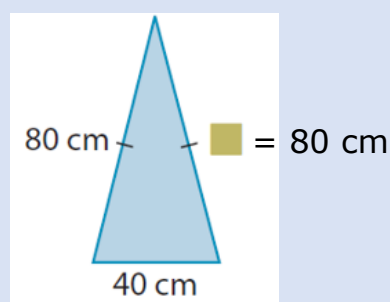 (send me your answers if you'd like to check them)

Because workplace drawings are small, they contain limited information so they do not appear cluttered. Sometimes the user will have to figure out measurements that are not directly stated. https://www.youtube.com/watch?v=0e_mBfCCB5U
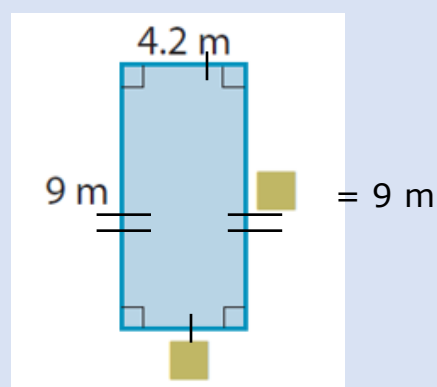
These are examples of hash marks: / and //. Hash marks on a diagram identify sides that are the same length.

Perimeter – the distance around a figure

Examples

80 cm ⊣ ■ = 80 cm
40 cm
Perimeter = 200 cm

4.2 m
9 m ■ = 9 m
= 4.2 m   Perimeter = 26.4 m

- Practice finding missing dimensions – see PDF called Practice 2

For **Games Day,** see if you can figure out the pattern and use it to solve other puzzles. Enjoy!   https://www.pleacher.com/mp/puzzles/mgames/boat.html

Have a great week, you've got this! 😊