

Oct 17 - 3:31 PM

Certainty Rule for Multyplying and Dividing

When Multiplying or Dividing, the answer has the fewest number of significant digits as the measurement with the fewest number of significant digits.

**EXAMPLE** 

Determine the answer to this calculation and state to the correct number of significant digits.

$$3.2 \times 10.1 = 32.32 \longrightarrow 32$$

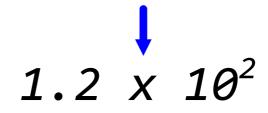
Precision Rule for Adding and Subtracting

When Adding or Subtracting measured values of known precision, the answer has the answer has the same number of decimal places as the measurement with the fewest decimal places.

**EXAMPLE** 

Determine the answer to this calculation and state to the correct precision.

$$104.2 + 11 + 0.67 = 115.87$$

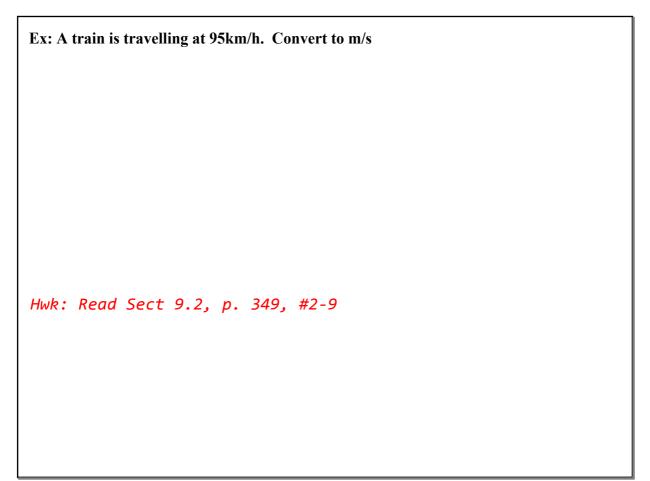


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## **Unit Conversion**

Often units need to be converted to other values to allow for the appropriate units for an answer.

Ex: An athlete runs a 5km race in 19.5 min. Convert the time to hours



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