

14.4

VOLUME OF PRISMS

Formulas

Circumference =

Area of a Rectangle =

Area of a Parallelogram =

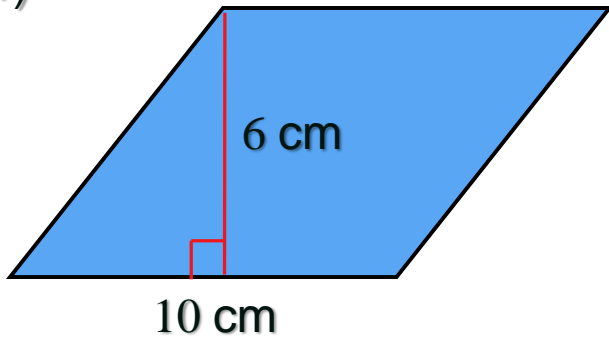
Area of a Triangle =

Area of a Trapezoid =

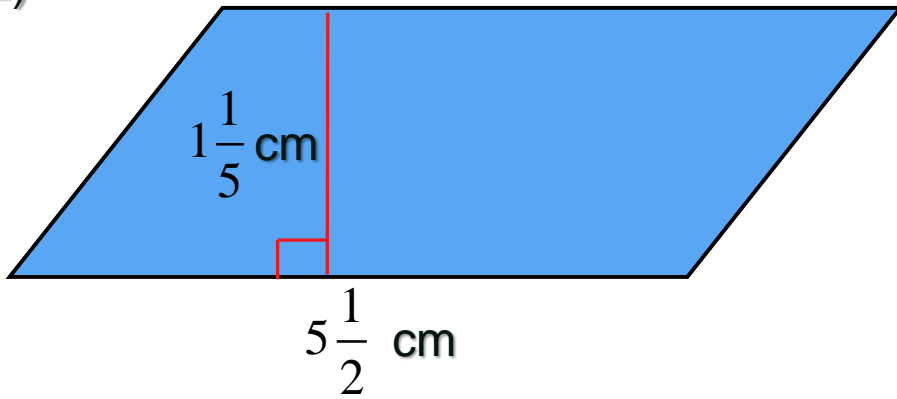
Area of a Circle =

Practice:

1)

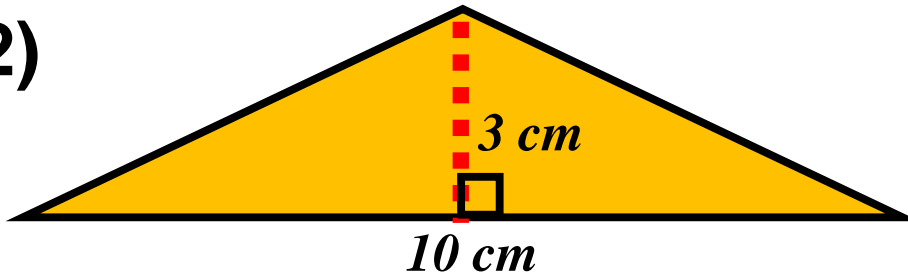


2)

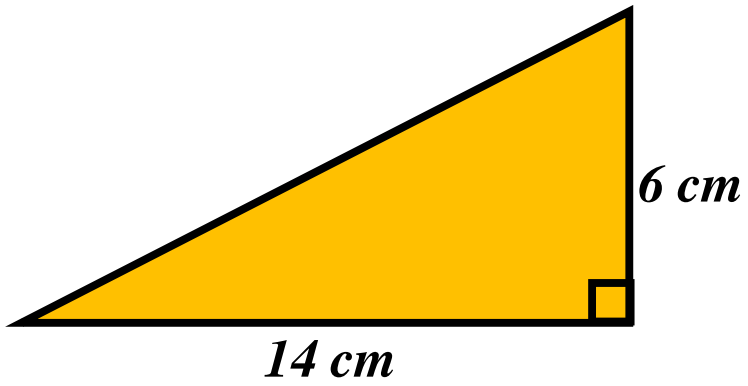


Practice:

2)

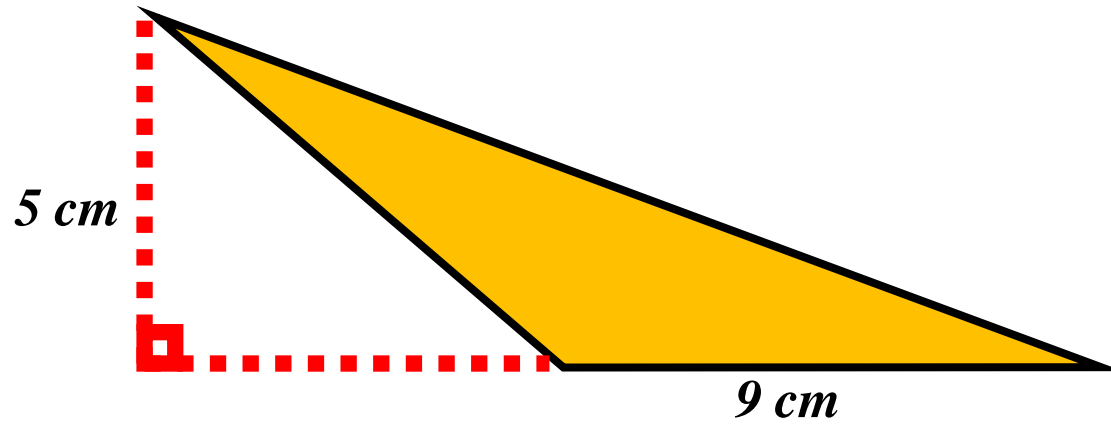


3)

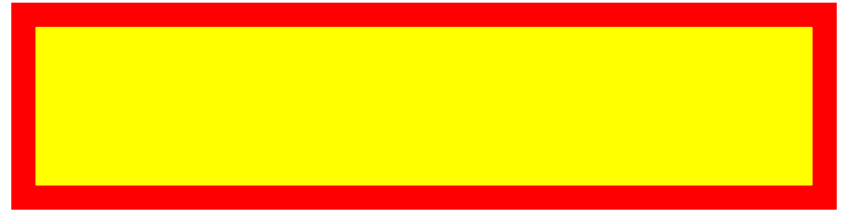


Practice:

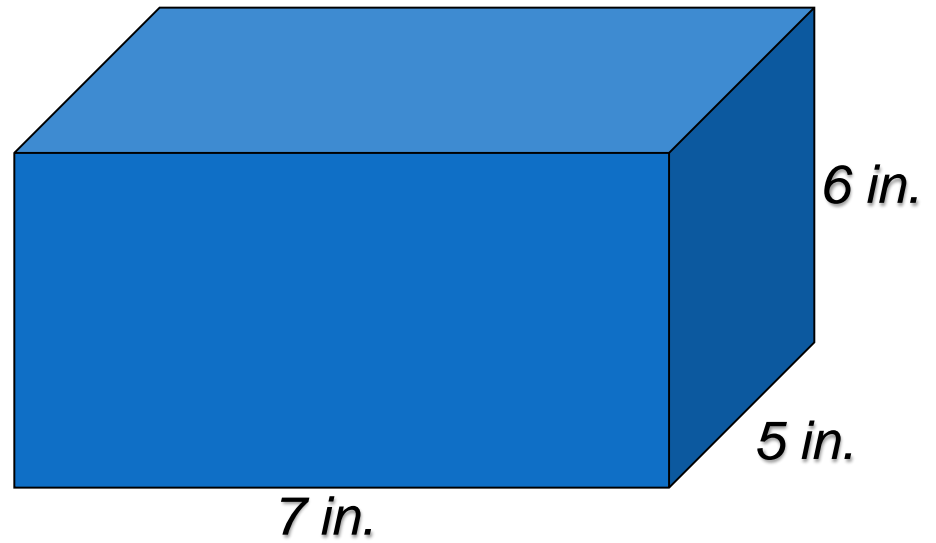
5)



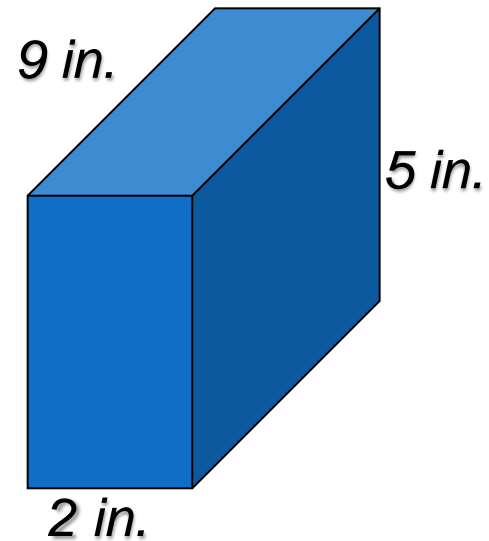
VOLUME FORMULA OF A RECTANGULAR PRISM



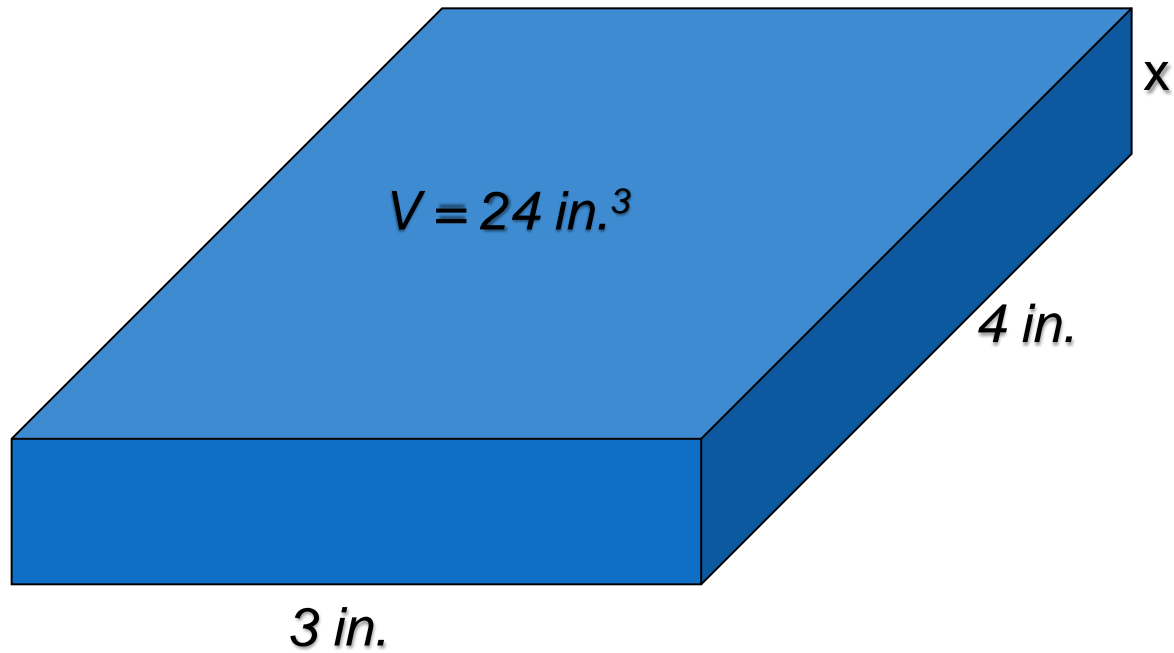
1) Find the volume:



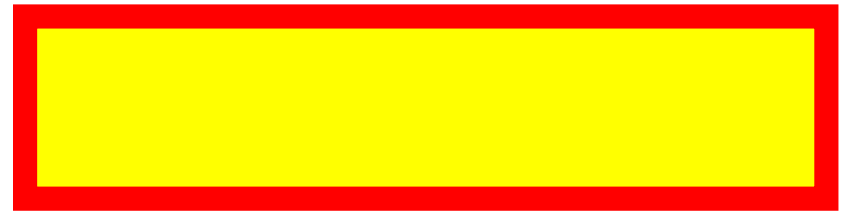
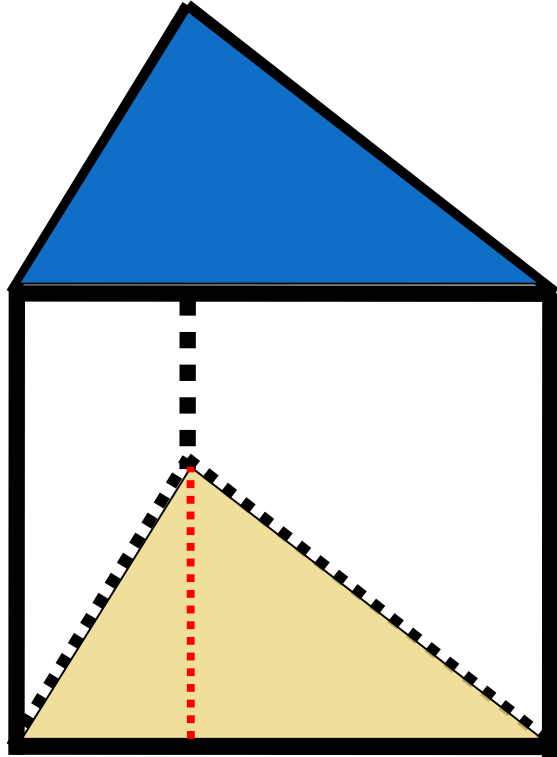
2) Find the volume:



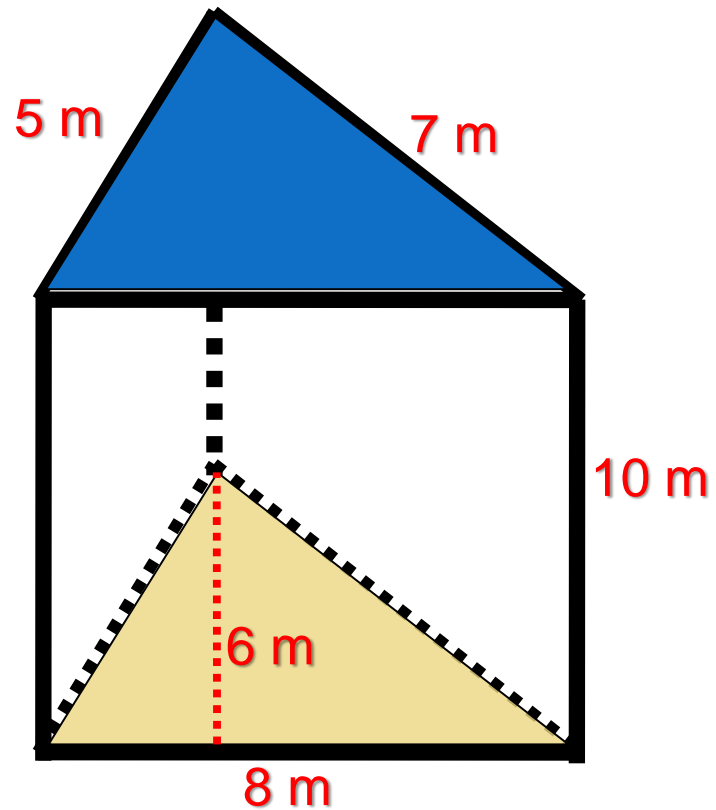
3) Find the missing side:



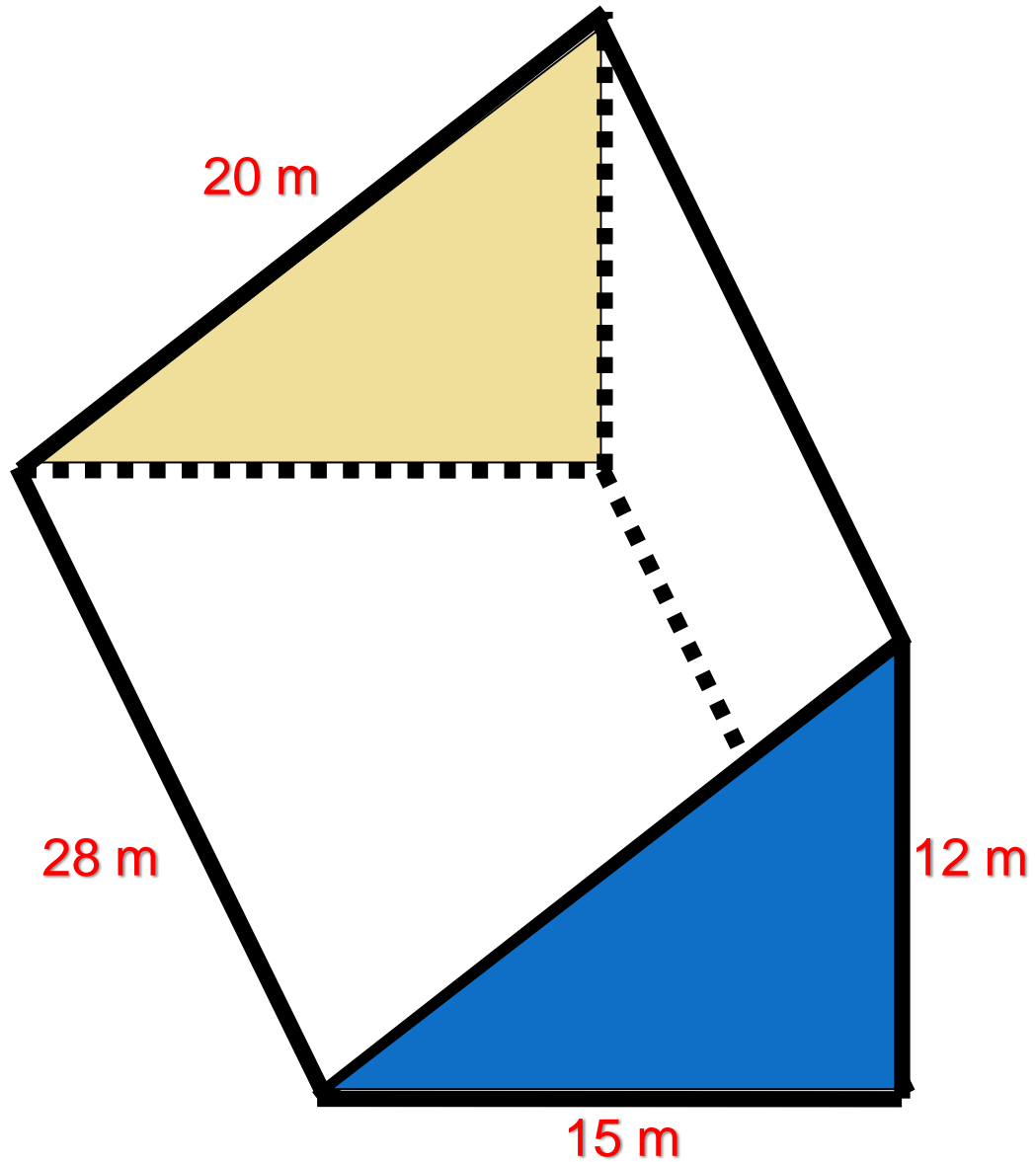
VOLUME FORMULA OF A TRIANGULAR PRISM



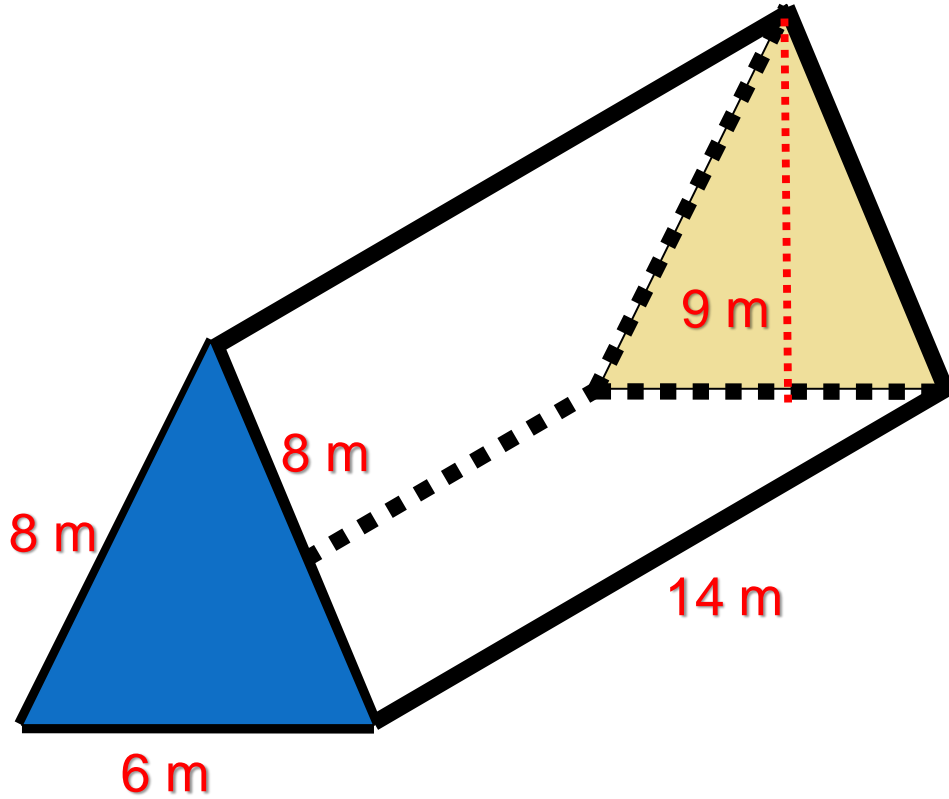
4) Find the Volume



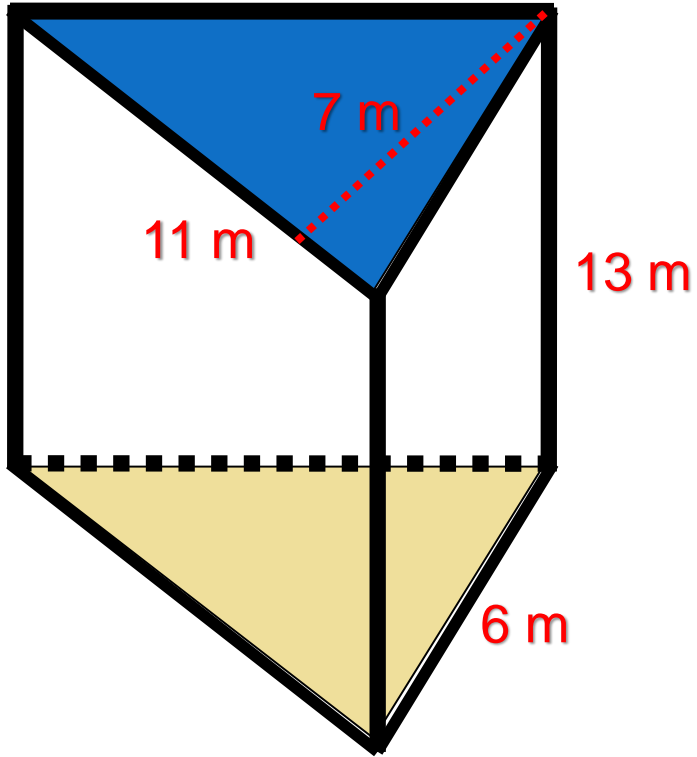
5) Find the Volume



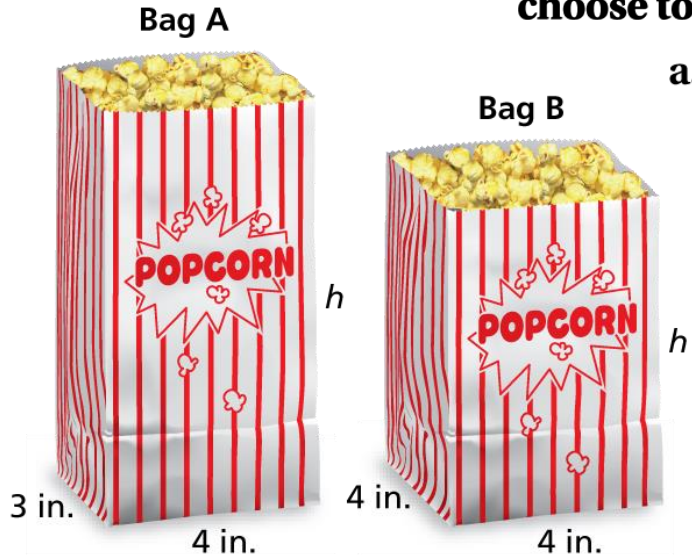
6) Find the Volume



7) Find the Volume



A movie theater designs two bags to hold 96 cubic inches of popcorn.
(a) Find the height of each bag. (b) Which bag should the theater choose to reduce the amount of paper needed? Explain.



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