

# Family Support Grades 6–8

Big Ideas Learning is committed to supporting students and their families at every step of their *California Math & YOU* journey.

## QR Code Support

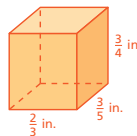
Students have direct access to support right when they need it. By scanning QR codes placed throughout the Student Edition, they can launch their digital experience and find lesson content, interactive practice, and instructional videos tied to what they're learning. This targeted support helps reinforce understanding and encourages independent learning, whether at home or in class.

### 7.7 Practice

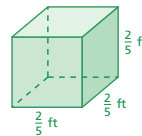
with Calc Chat and Calc View

Find the volume of the prism. (See Example 1.)

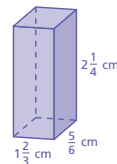
1.



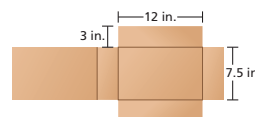
2.



3.



4. **CAREER Shipping** A post office in your city will ship any package with a volume less than 300 cubic inches for a flat fee. You use the cardboard shown to create a box. Will the post office ship your box for the flat fee?

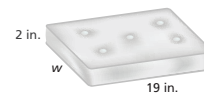
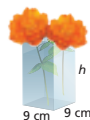


Find the missing dimension of the prism. (See Example 2.)

5. Volume =  $1,620 \text{ cm}^3$

6. Volume =  $220.5 \text{ cm}^3$

7. Volume =  $532 \text{ in.}^3$



8. **CONNECTING TO REAL LIFE** You mix water, salt, and vinegar in a tank to make a nontoxic weed killer. You use 0.5 ounce of salt per cubic inch of liquid. How many ounces of salt do you use when you fill the tank entirely? (See Example 3.)

9. Is the combined volume of a 4-foot cube and a 6-foot cube equal to the volume of a 10-foot cube? Use a diagram to justify your answer.



RESOURCES



RESOURCES

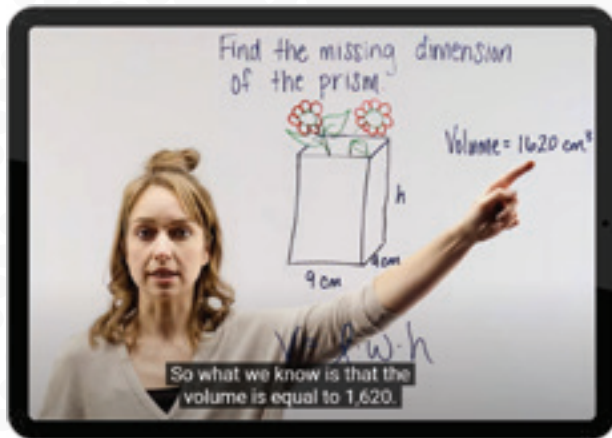
## CalcChat® and CalcView®

With CalcChat®, students benefit from worked-out solution videos and live virtual tutor support for select exercises in the Getting Ready, Practice, and Chapter Review. Find the blue arrows in the Student Edition which indicate support is available! With CalcView®, students can view instructor videos as they work through select problems to support comprehension and the understanding of concepts.

## CalcChat



## CalcView



### 7.7 Practice

Find the volume of the prism. (See Example 1.)

with **CalcChat** and **CalcView**

▶ 1.

2.

3.

4. **CAREER Shipping** A post office in your city will ship any package with a volume less than 300 cubic inches for a flat fee. You use the cardboard shown to create a box. Will the post office ship your box for the flat fee?

▶ 5. Volume = 1,620 cm³

6. Volume = 220.5 cm³

7. Volume = 532 in.³

8. **CONNECTING TO REAL LIFE** You mix water, salt, and vinegar in a tank to make a nontoxic weed killer. You use 0.5 ounce of salt per cubic inch of liquid. How many ounces of salt do you use when you fill the tank entirely? (See Example 3.)



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