TODAY'S AGENDA: September 28th

- Work on Khan Academy Mission:
  - > Complete Mission Foundation Skills
- ~~Today's Objective: Small Group Lessons:~~
  - > Perimeter, Area, & Volume

- Standards:
  - > G.GMD.1 Give an informal argument for the formulas for the circumference of a circle, area of a circle,...
  - > G.GMD.3 Use volume formulas for cylinders, pyramids, cones, and spheres to solve problems.★

- Continue With Your Mission Assignments

Perimeter (outside)

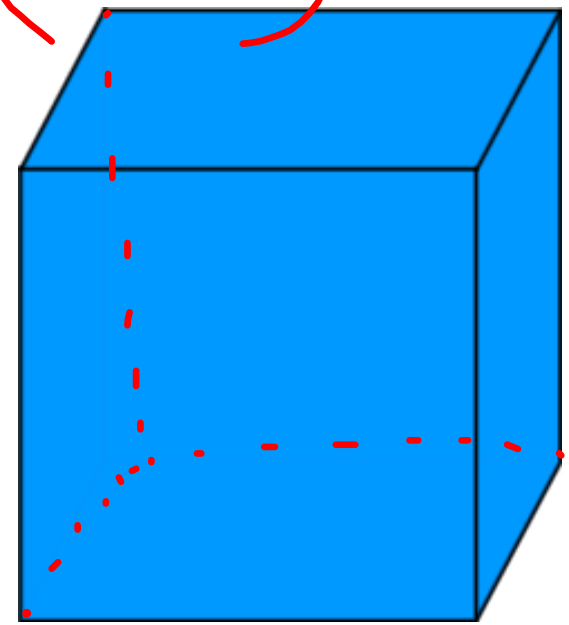
Add

Area (Inside)

Multiply l x w

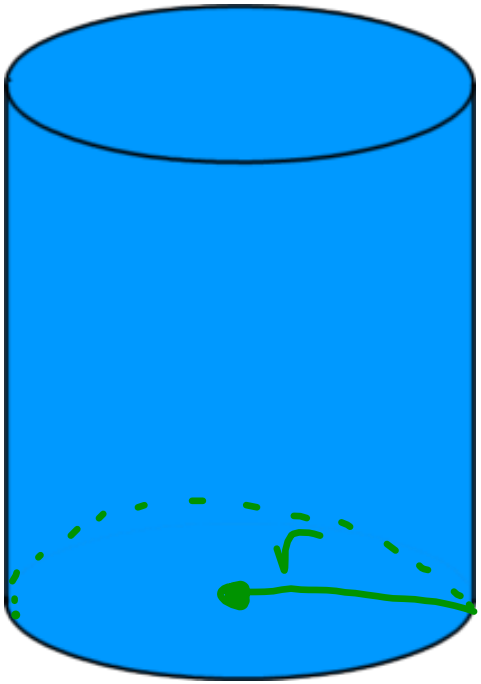
VOLUME (multiply)

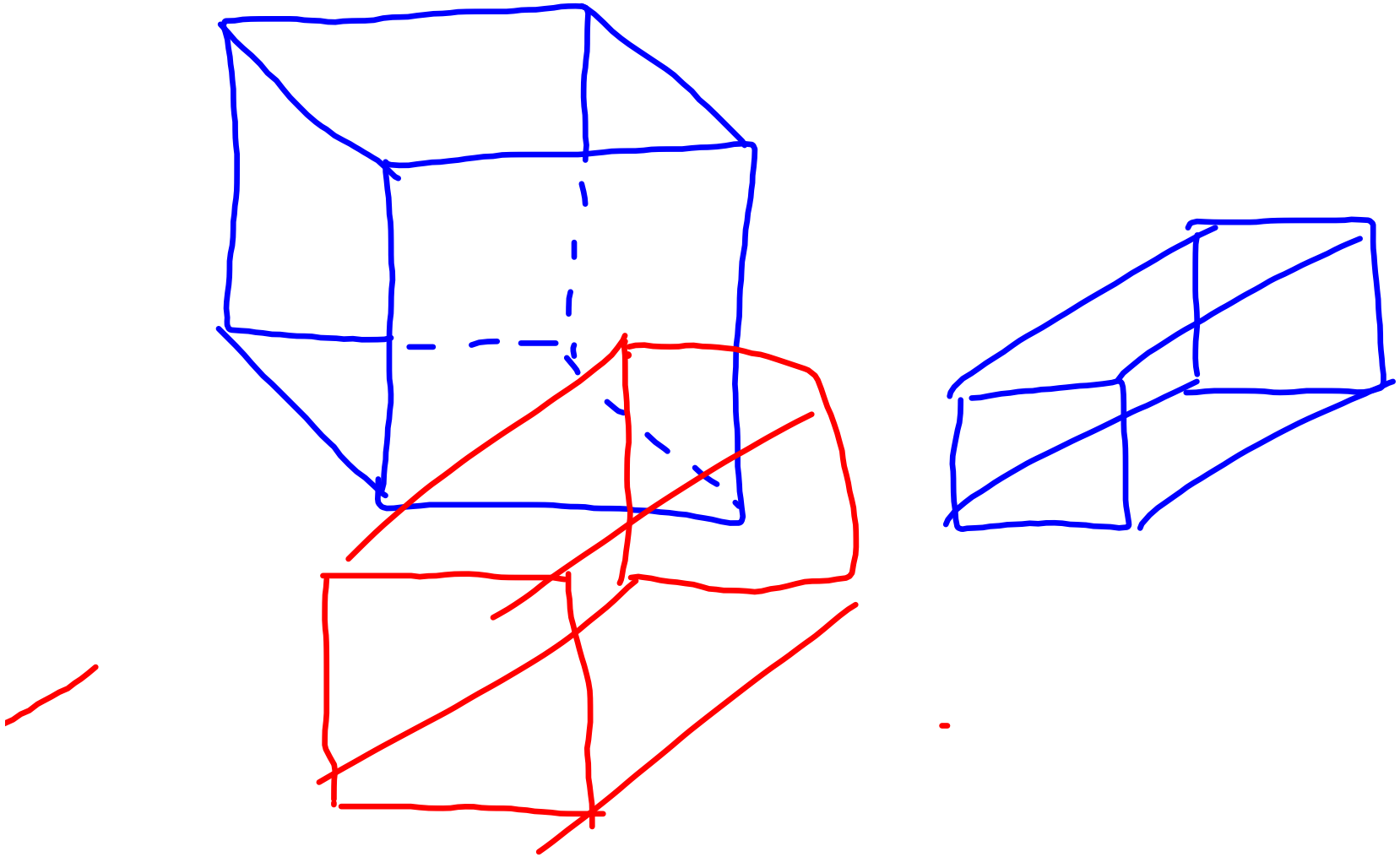
Area (base) $(l \times w) \times h$



$area = \pi r^2$

$V = \pi r^2 h$



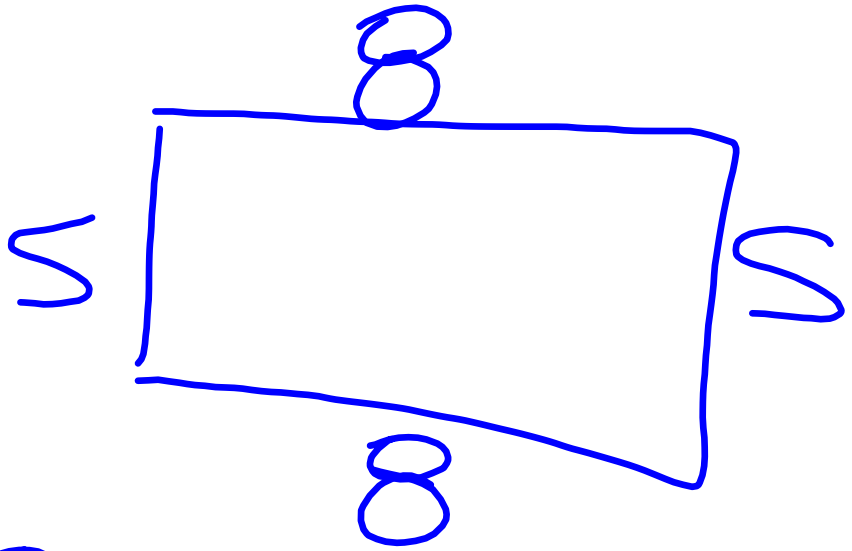


Find perimeter when given side lengths

One side of a rectangle is 8 units. Another side is 5 units.

What is the perimeter of the rectangle?

26 units

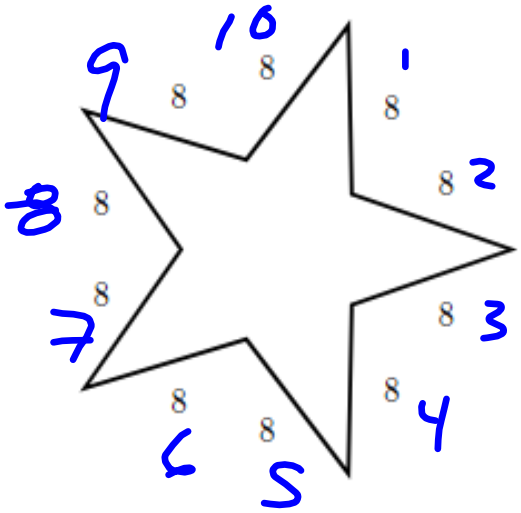


8+8+5+5

Find perimeter when given side lengths

What is the perimeter of the star?

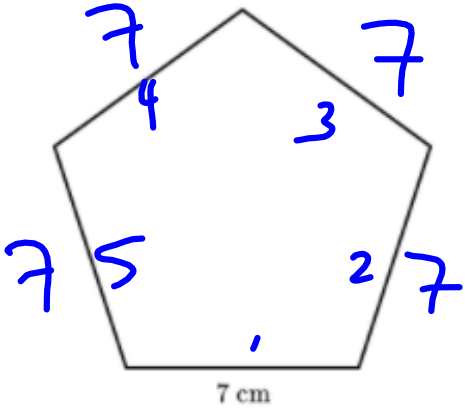
80 units



$8 \times 10 = 80$

Find perimeter when given side lengths

Which two of the following expressions can be used to find the perimeter of the shape?
All sides are the same length.



7 × 5

7 + 7 + 7 + 7 + 7

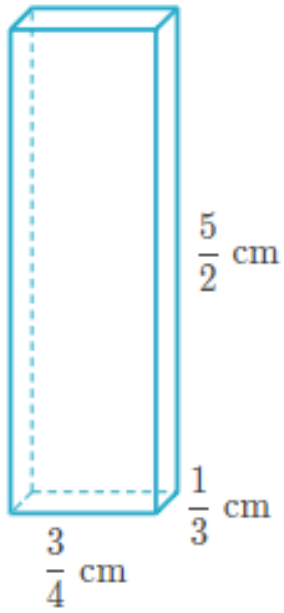
Choose all answers that apply:

- (A) 5×7
- (B) 7×7
- (C) $7 + 7 + 7 + 7 + 7$
- (D) $7 + 5$

Volume with fractions

In Calculator, fractions go in parentheses!

What is the volume of this rectangular prism?



$V = \ell \times w \times h$

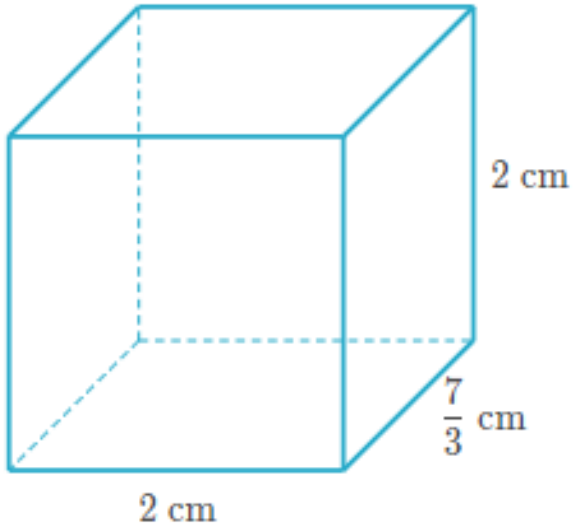
$\frac{3}{4} \times \frac{1}{3} \times \frac{5}{2} = \frac{15}{24}$ math, frac!

or $\frac{\cancel{3}}{4} \times \frac{1}{\cancel{3}} \times \frac{5}{2} = \frac{5}{8}$ ✓

5/8 cm^3

Volume with fractions

What is the volume of this rectangular prism?



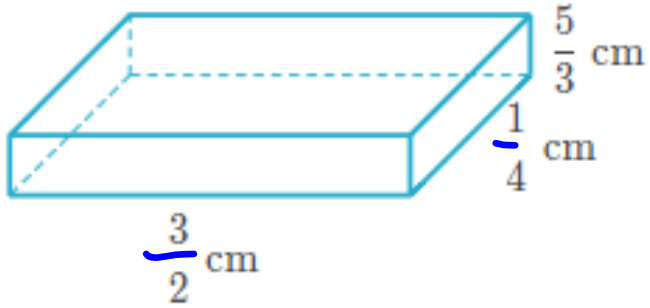
$V = l \times w \times h$

$2 \times \frac{7}{3} \times 2 = \frac{28}{3}$

$\frac{28}{3}$ cm^3

Volume with fractions

What is the volume of this rectangular prism?



$V = l \times w \times h$

$\frac{3}{2} \times \frac{1}{4} \times \frac{5}{3} = \frac{15}{24}$

or $\frac{\cancel{3}}{2} \times \frac{1}{4} \times \frac{5}{\cancel{3}} = \frac{5}{8}$

5/8 cm^3