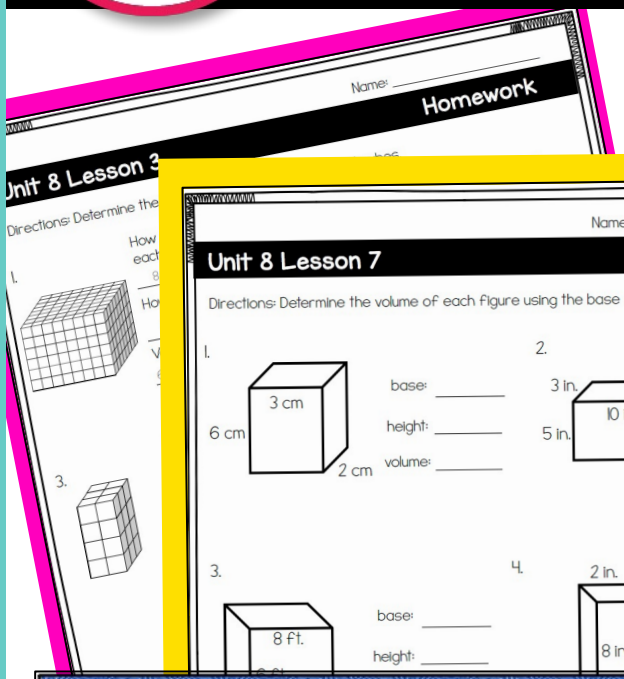
# Volume

## 20 full days of math lesson plans, PowerPoints, & activities





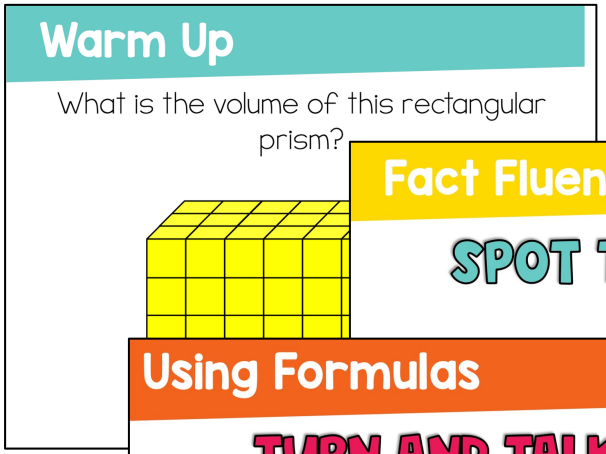


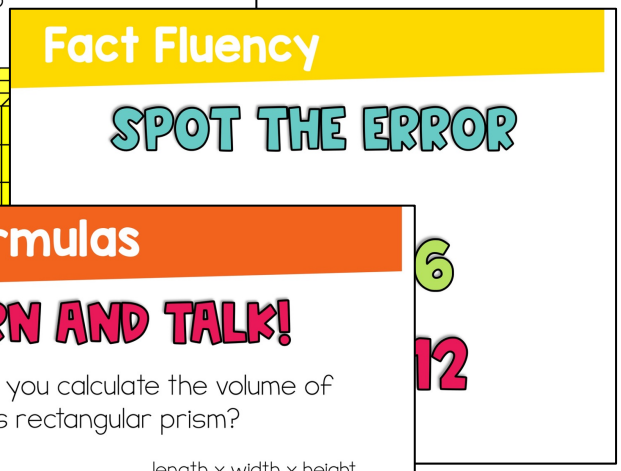


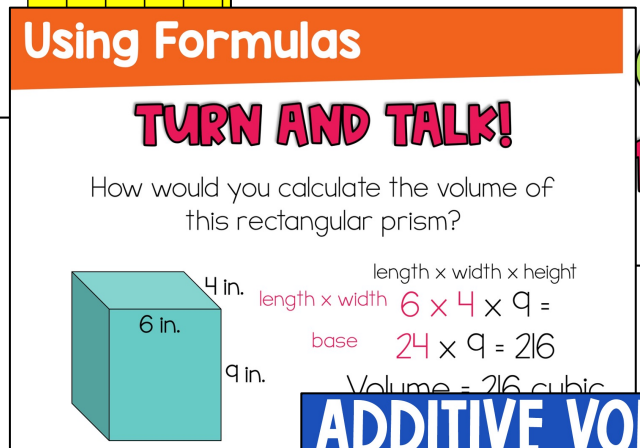


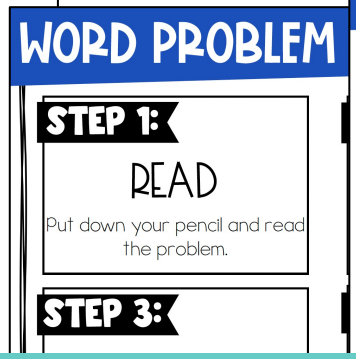


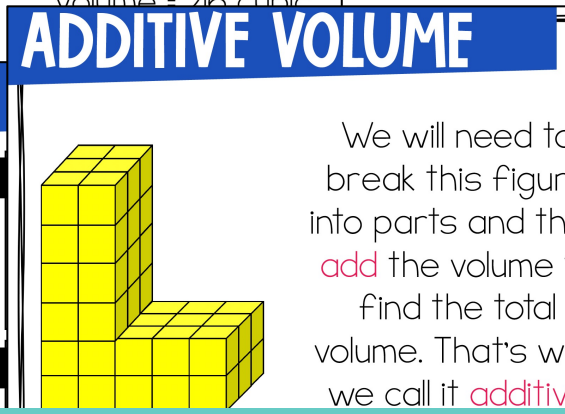




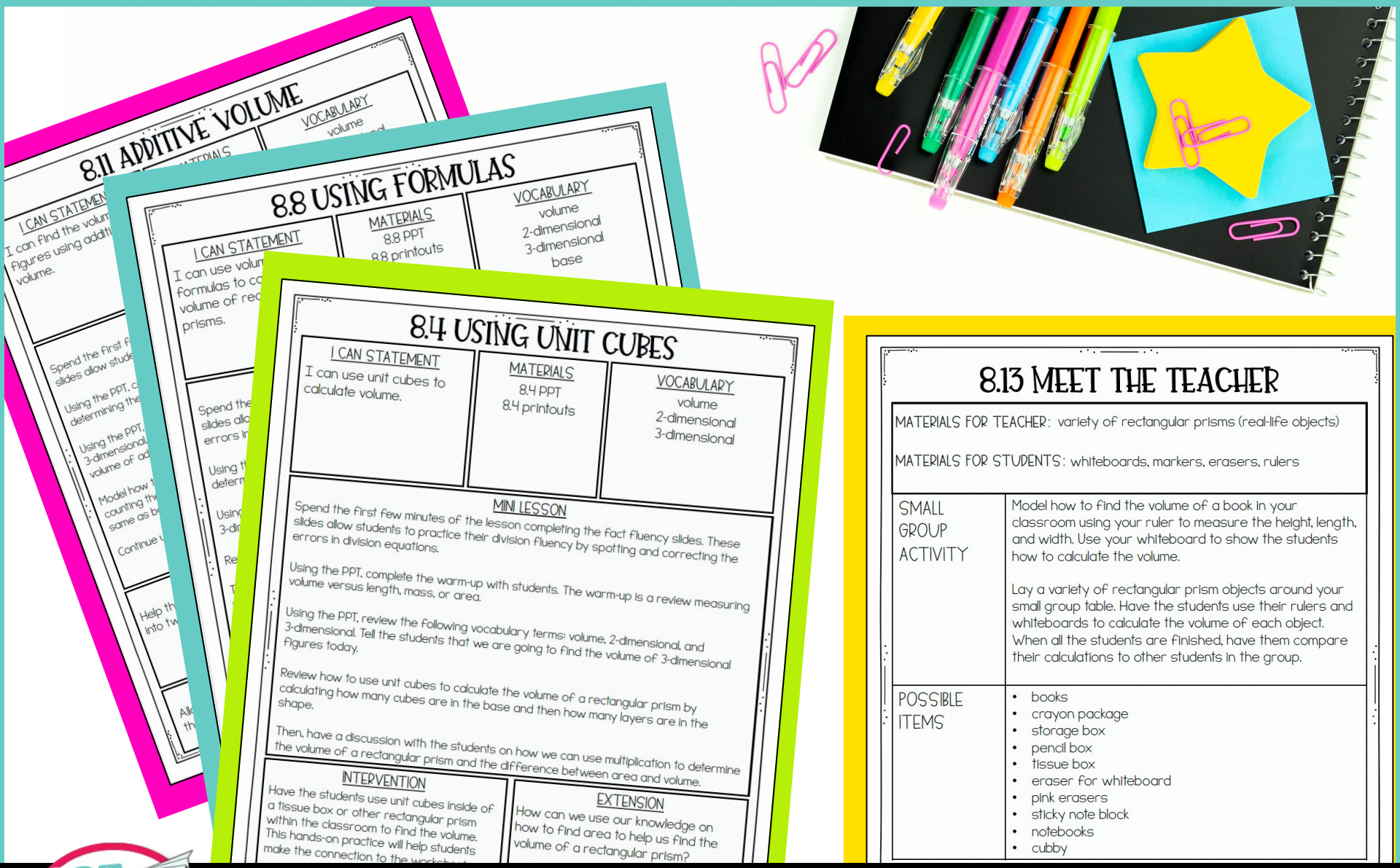
# UNIT 8: VOLUME at a glance

| | | | | |
|---|---|---|---|---|
| Day 1<br>Understanding Volume | Day 2<br>Understanding Volume | Day 3<br>Using Unit Cubes | Day 4<br>Using Unit Cubes | Day 5<br>Using Formulas (length x width x height) |
| Day 6<br>Using Formulas (length x width x height) | Day 7<br>Using Formulas (base x height) | Day 8<br>Using Formulas (base x height) | Day 9<br>Additive Volume | Day 10<br>Additive Volume |
| Day 11<br>Additive Volume | Day 12<br>Review | Day 13<br>Real World Objects | Day 14<br>Real World Objects | Day 15<br>Real World Objects |
| Day 16<br>Word Problems | Day 17<br>Word Problems | Day 18<br>Word Problems | Day 19<br>PBL | Day 20<br>Assessment |

THIS UNIT COVERS THE FOLLOWING COMMON CORE MATH STANDARDS: 5.MD.3, 5.MD.4, & 5.MD.5

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Includes a pacing guide so you can see the whole unit at a glance.

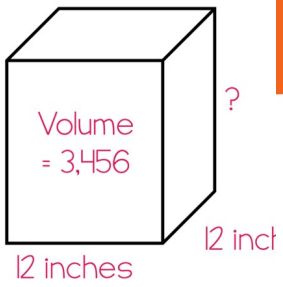



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# Real-Life Objects

Lila is purchasing a new tank for her turtle.
The volume of the tank is 3,456 cubic inches.
The length and width of the tank is 12 inches.
What is the height?




# Real-Life Objects

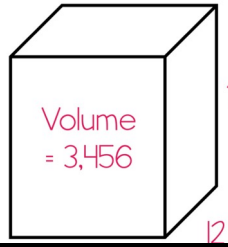
Lila is purchasing a new tank for her turtle.
The volume of the tank is 3,456 cubic inches.
The length and width of th
he he

We can use fact families to find the missing number! 3,456 ÷ 144 will give us the missing factor.

NOT SO WIMPY TEACHER

# Real-Life Objects

Lila is purchasing a new tank for her turtle.
The volume of the tank is 3,456 cubic inches.
The length and width of the tank is 12 inches.
What is the height?



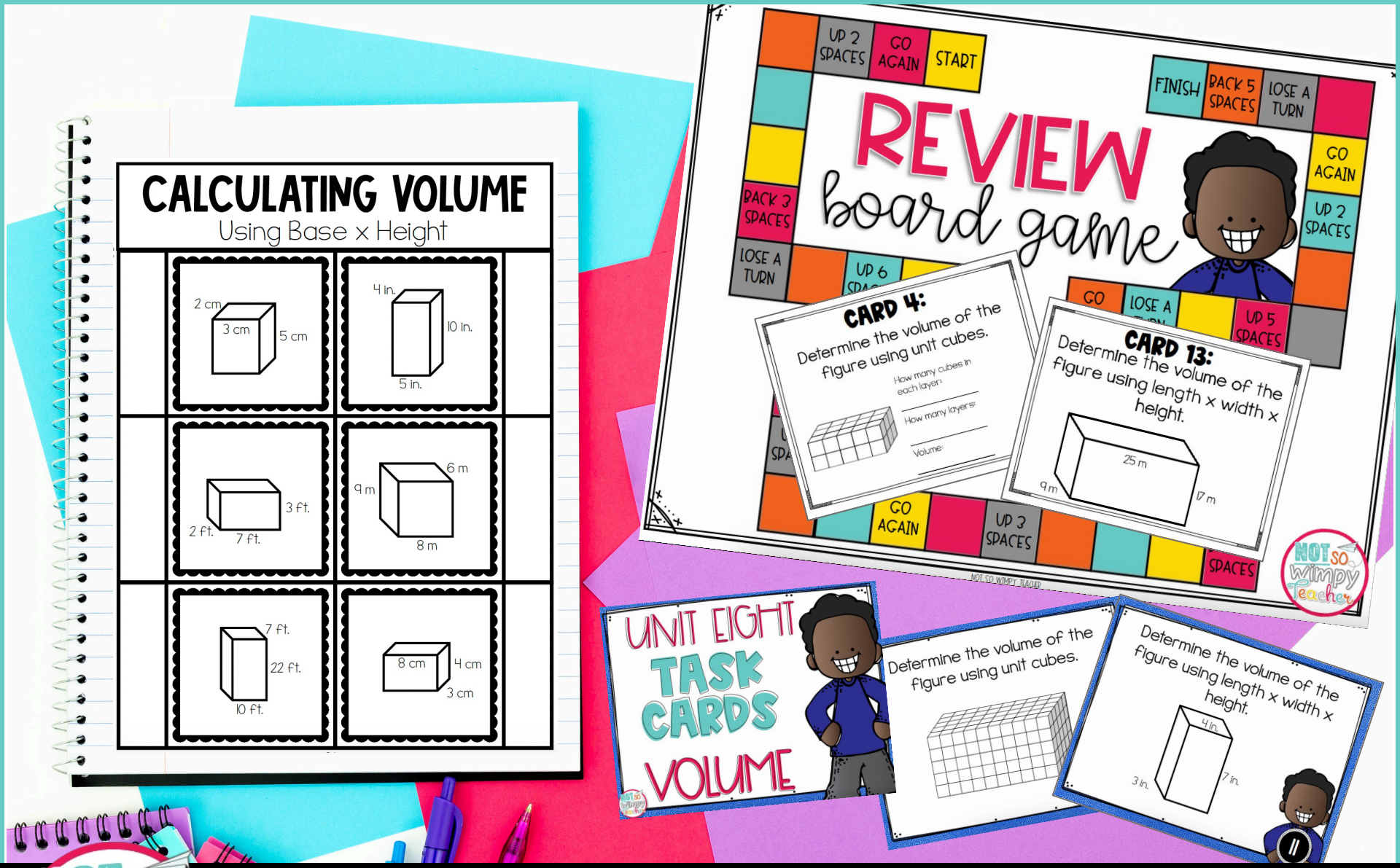

$3{,}456 = 12 \times 12 \times 24$

$3{,}456 = 144 \times 24$

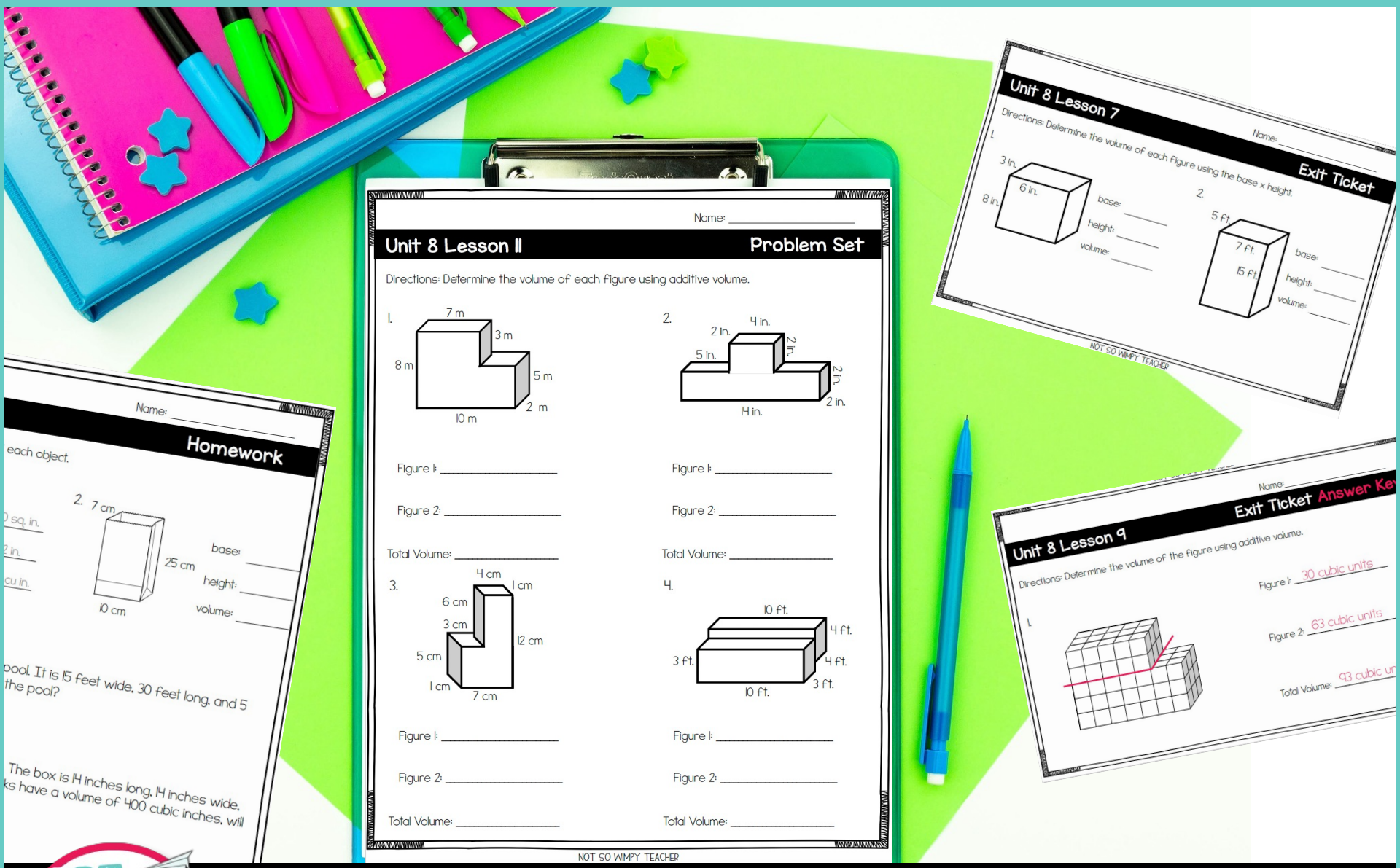
The height of the tank is 24 inches.

24
144 | 3,456
-1,440 | 10
2,016
-1,440 | 10
576
-288 | 2
288

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Get students excited with targeted, hands-on math activities & interactive notebooks.




Includes problem sets, homework, and exit tickets for each day.

Name: _____

## Unit 8 Pre-assessment

Directions: What is the difference between the two shapes below? Write your response on the lines.

1.



Directions: Draw a line to partition each shape in half.

2. What does 2D mean to you?

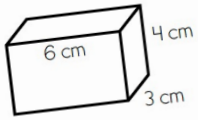
| Skill | Understanding Volume | Volume with Unit Cubes | Calculating Volume | Missing Information | Additive Volume | Word Problems | |
|---|---|---|---|---|---|---|---|
| Student | 1-3 | 4-7 | 8-11 | 12-13 | 14-15 | 16-20 | TOTAL: |
| | ___ / 3 | ___ / 4 | ___ / 4 | ___ / 2 | ___ / 2 | ___ / 5 | ___ / 20 |
| | ___ / 3 | ___ / 4 | ___ / 4 | ___ / 2 | ___ / 2 | ___ / 5 | ___ / 20 |
| | ___ / 3 | ___ / 4 | ___ / 4 | ___ / 2 | ___ / 2 | ___ / 5 | ___ / 20 |
| | ___ / 3 | ___ / 4 | ___ / 4 | ___ / 2 | ___ / 2 | ___ / 5 | ___ / 20 |
| | ___ / 3 | ___ / 4 | ___ / 4 | ___ / 2 | ___ / 2 | ___ / 5 | ___ / 20 |
| | ___ / 3 | ___ / 4 | ___ / 4 | ___ / 2 | ___ / 2 | ___ / 5 | ___ / 20 |
| | ___ / 3 | ___ / 4 | ___ / 4 | ___ / 2 | ___ / 2 | ___ / 5 | ___ / 20 |
| | ___ / 3 | ___ / 4 | ___ / 4 | ___ / 2 | ___ / 2 | ___ / 5 | ___ / 20 |
| | ___ / 3 | ___ / 4 | ___ / 4 | ___ / 2 | ___ / 2 | ___ / 5 | ___ / 20 |

Name: _____

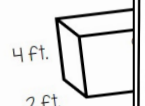
Unit 8 Assessment Ar

Directions: Determine the volume of each figure.

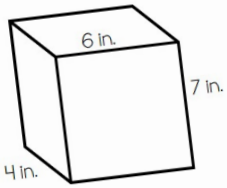
8. Volume: 72 cubic cm




9. Volume: 72 cu



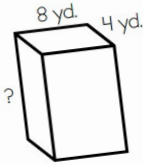

10. Volume: 168 cubic in.




11. Volume: I

Directions: Fill in the blanks on each problem.

12.




base: 32 sq. yd.

height: 10 yd.

volume: 320 cu yds.

Name: _____

Assessmen

nswer each statement with a true or false. If false, rewrite the statement to

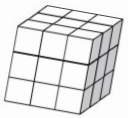
-dimensional objects have volume.

easuring length when finding the amount of water a vase can

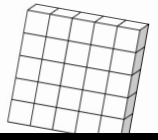
suring mass when calculating the amount of space an object

ch figure using unit cubes.

5. Volume: _____

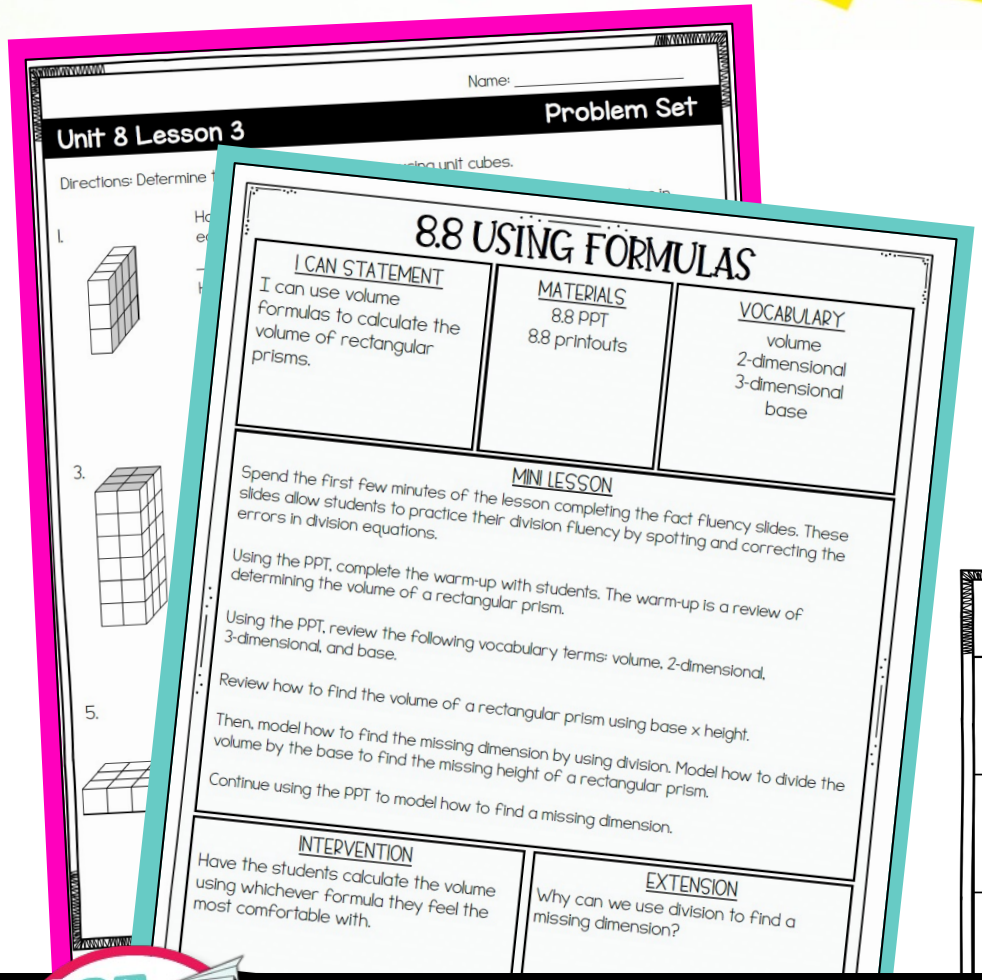


7. Volume: _____



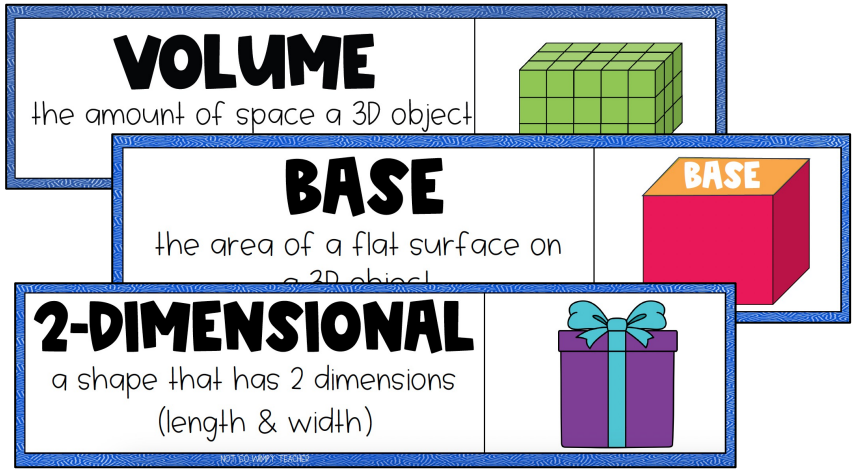
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Track student progress with pre- & post-assessments and recording sheet.










## UNIT 8: VOLUME at a glance

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Not So Wimpy Teacher

Teach with confidence; each day is fully planned for you with all the tools you need!