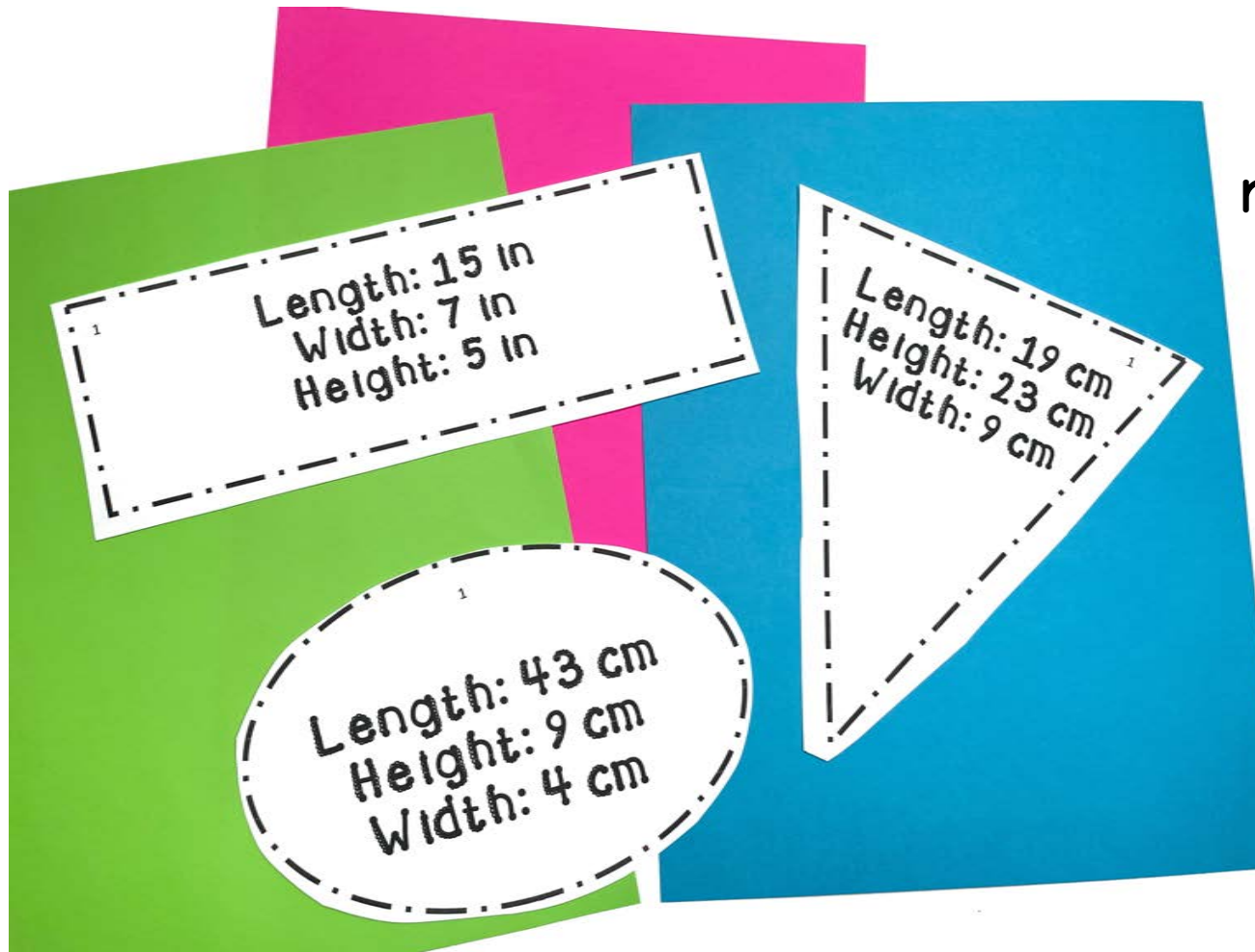


Searching for ways to keep students engaged while practicing surface area and volume? Add these fun activities to your classroom!



Don't spend any more time planning, searching, or brainstorming. Everything you need is in this easy to use download!

WHAT'S INCLUDED?

- 6 high level surface area & volume problems
- 6 medium level surface area & volume problems
- 6 low level surface area & volume problems
- 2 options for recording sheets
- Bonus: Formula cards
- Answer key for all problems

ENGAGING SURFACE AREA AND VOLUME ACTIVITIES



How to Use:

1. Cut out the 6 levels of shapes.
2. Hang around the room.
3. Assign each student a shape to solve.
4. Students walk around the room and solve the problems on their shape. They will write the answers on the recording sheet.
5. If they finish early, they can pick another shape to solve.



USE DURING MATH CENTERS

Length: 9 ft
Width: 4 ft
Height: 10 ft

Surface Area Formula

$$\begin{aligned} SA &= 2 \times (\text{Length} \times \text{Width}) \\ &+ 2 \times (\text{Height} \times \text{Width}) \\ &+ 2 \times (\text{Length} \times \text{Height}) \end{aligned}$$

$$SA = 2(LW) + 2(HW) + 2(LH)$$

Name: *Martha*

Date: *Feb 4*
Surface Area

Shape: 

Work

$$\begin{aligned} SA &= 2 \times (L \times W) = 2 \times 9 \times 4 \\ &2 \times (H \times W) = 2 \times 10 \times 4 \\ &+ 2 \times (L \times H) + 2 \times 9 \times 10 \\ \hline &72 + 80 + 180 \end{aligned}$$

$$\begin{array}{r} 72 \\ 280 \\ 180 \\ \hline 342 \end{array}$$

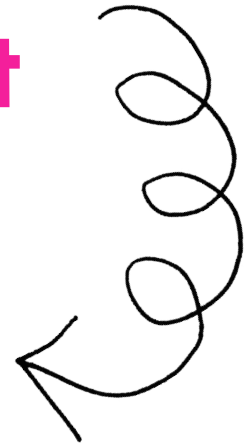
$$342 \text{ ft}^2$$

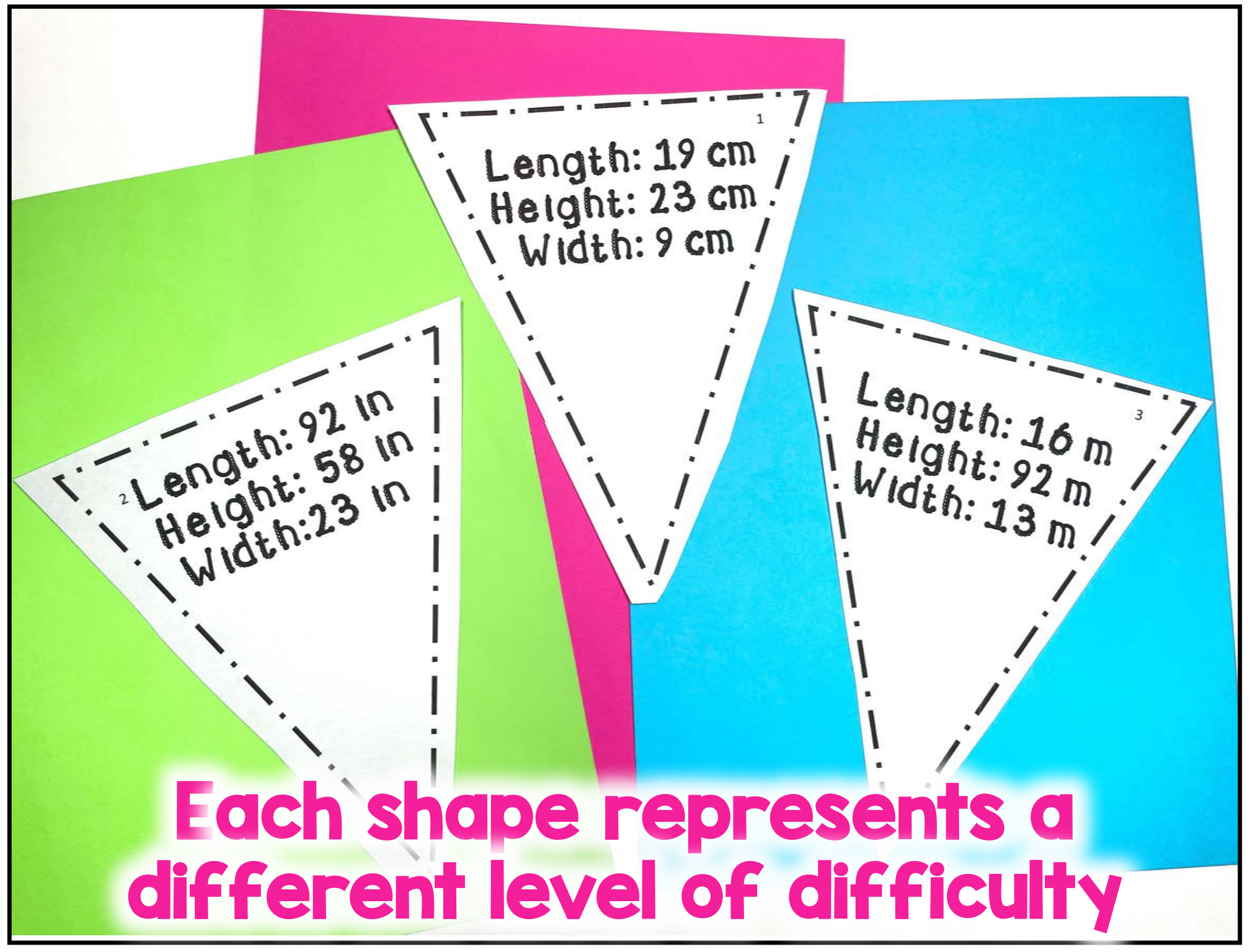
2.

3.

IDEAS FOR USE

- Around the Room Scavenger Hunt
- Teacher Table Practice
- Whole Group Practice
- During Math Centers/Stations
- Send home to practice with family members
- Morning Work
- Early Finisher Activity (Grab a shape and solve)





1
Length: 19 cm
Height: 23 cm
Width: 9 cm

2
Length: 92 in
Height: 58 in
Width: 23 in

3
Length: 16 m
Height: 92 m
Width: 13 m

**Each shape represents a
different level of difficulty**

2

Length: 8 cm
Width: 10 cm
Height: 3 cm

4

Length: 9 ft
Width: 4 ft
Height: 10 ft

Length: 15 in
Width: 7 in
Height: 5 in

Students will solve the shape problems you assign them.

3

Length: 10 m
Height: 19 m
Width: 3 m

1

Length: 43 cm
Height: 9 cm
Width: 4 cm

2

Length: 18 in
Height: 5 in
Width: 3 in

**Finish early? Move onto another
shape set of problems**

EASY MATH WORKSTATION THAT'S DIFFERENTIATED!

Tips for Use:

- Before using this resource, you'll need to identify which students will be assigned to each shape. I suggest giving an exit slip the day before that assesses their level of understanding. If they need enrichment, assign them the above-level problems. If they are right on grade level, assign them the on-level problems. If the student is struggling and needs easier problems, assign them the below-level problems. You can either display the who is in each shape group on the whiteboard, draw the shape in the corner of the student notebook/paper, or just verbally tell student what shape to solve.
- If you have early finishers, tell them to solve a different set of shapes, which is why I recommend printing the recording sheets and making them double sided.
- Do not tell the students what level of problems they are working on.

EASY MATH WORKSTATION THAT'S DIFFERENTIATED!

More Tips for Use:

- There are two recording sheets for each set of questions. The first one is recommended for all levels and asks students to show their work and write the answer. The second recording sheet offers a place for students to create their own word problem that matches the math problem on the shape. This is the best for your highest level learners.
- Show students how to compare and discuss answers. Did you both get the same answer? If students get different answers, ask them to solve the problem using a different strategy or help coach each other through the problem.

PURCHASE NOW TO INCREASE STUDENT ENGAGEMENT!

“Great resource to use in small groups. I laminate them and the kids moved around the room to different activities.”

“These worked fantastic as a centers activity. The kids loved rotating around and writing the answers on note cards and felt really excited when I shared which shapes were the hardest; they really had their confidence built up!”

“I loved the differentiation! So did my students! Thank you!”

“Awesome resource! Great quality work! Super!”

Name: **Mark** Date: **Feb. 4** Shape:

Volume

Work	Answer
$L \times W \times H = V$ $9\text{ft} \times 4\text{ft} \times 10\text{ft} = V$ $36\text{ft}^2 \times 10\text{ft} = 360\text{ft}^3$	$V = 360\text{ft}^3$

Name: **Martha** Date: **Feb 4** Shape:

Surface Area

Work	Answer
$SA = 2 \times (L \times W) = 2 \times 9 \times 4$ $2 \times (H \times W) = 2 \times 10 \times 4$ $+ 2 \times (L \times H) = 2 \times 9 \times 10$ $72 + 80 + 180$	342ft^2

Name: _____ Date: _____ Shape: _____

Volume

Work & Answer	Write a Word Problem
1	
2	
3	

Name: _____ Date: _____ Shape: _____

Volume & Surface Area

Work	Answer
1	
2	

Name: _____ Date: _____ Shape: _____

Surface Area

Work & Answer	Write a Word Problem
1	

Download now to see your students engaged while practicing surface area and volume skills!