

Area, Perimeter, Time, Measurement Conversions

TEKS Unit Bundle

ELAPSED TIME

48C

Roll the die to select a clock to use as the START time for your problem. Roll the die again to pick a problem. Solve the problem and have your partner check your work using the key. If you are correct, you may roll the die again and move Forward that many spaces on the game board.

I swam for 105 minutes. What time did I finish?

I practiced piano for 43 minutes. What time did I finish?

I practiced soccer for 75 minutes. What time did I finish?

I read for 27 minutes. What time did I finish?

I ran for 38 minutes. What time did I finish?

I watched a movie that lasted for 124 minutes. What time did it end?

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Elapsed Time: 2 WAYS

4.8C

More than 1 hour

Trinity is making a pudding filled cake. The instructions say to chill the cake for 155 minutes before serving. If Trinity puts the cake in the refrigerator at 4:25 to chill, what is the earliest time she can serve the cake?

Add & Regroup

155 4:25

Regroup: Take out 60 minutes and add 1 hour

-60

Open Time Line

1. How many minutes do you need to jump to get to the next hour?

3. How many more minutes or hours do you need to jump?

2. Label the next hour

4. What time do you end at?

started horse back riding at 11:08. We rode his horse for 227 minutes. What time did he finish his ride?

Add & Regroup

227

Open Time Line

1. How many minutes do you need to jump to get to the next hour?

3. How many more minutes or hours do you need to jump?

2. Label the next hours

4th

GRADE

The Practice Your Students Need

8 Which is NOT a way to find the perimeter.

1 The area of a painting is 24 square feet. What is the perimeter of the painting?

6 Dane made a play area for his dog. The play area is 6 feet long and 4 feet wide. What is the perimeter of the play area?

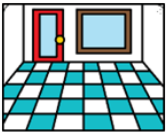
5 A party hall is 52 ft. long and 35 ft. wide. What are the perimeter and area of the party hall?

4 Two rectangles are shown. What is the perimeter of the larger rectangle?

3 A rectangular garden is 20 feet long and 10 feet wide. What is the perimeter of the garden?

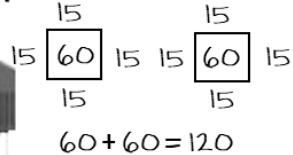
2 A ceiling tile is 2 feet wide and 3 feet long. What is the total area of the ceiling tiles in the room?

1 You have 2 square pillows and you need to put a ribbon border around each one. Each pillow is 15 inches tall. What is the combined perimeter of the two pillows?


Name: Maverick

MEASUREMENT review

1  $60 + 60 = 120$	2 $2 \times 3 = 6$ $6 \times 4 = 24$
4 $11 \times 2 = 22$ $12 \times 2 = 24$ $8 \times 2 = 16$ $9 \times 2 = 18$ $16 + 22 = 38$ $16 + 22 = 42$ $38 + 42 = 80$	5 $52 \times 35 = 1,820$ $35 \times 2 = 70$ $52 \times 2 = 104$ $70 + 104 = 174$
1 	8
10 	11

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Organized & Easy to Use

4 th Grade Measurement TEKS Tracking Sheet	4.5C Use models to determine the formulas for perimeter and area of rectangles and squares				4.5D Solve problems related to perimeter and area of rectangles where dimensions are whole numbers								4.8A Identify relative sizes of measurement units within the customary and metric systems			
Exit Slip #	1	2	3	4	1	2	3	4	5	6	7	8	1	2	3	4
Alexander →	1	1	1		1	1	1	1								
Valeria	0	½	½		0	0	½	1								
Jaekwon	1	1	1		1	1	1	1								
Chantal	1	1	1		1	1	1	1								
Marco	½	½	1		0	½	1	1								
Enrique	1	1	1		1	1	1	1								
Lillian	1	1	1		1	1	1	1								
Elisa	1	1	1		1	1	1	1								
Ming	0	½	½		½	½	½	1								
Sophie	1	1	1		1	1	1	1								

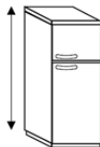
Name:

MEASUREMENT 4.8A #2

Identify relative sizes of measurement units within the customary and metric systems

1. What is the approximate height of a full size refrigerator?

- A. 2 meters
- B. 2 centimeters
- C. 2 kilometers
- D. 2 millimeters



2. What is the approximate length of a dog bone?

- A. 15 millimeters
- B. 15 centimeters
- C. 15 meters



Name:

MEASUREMENT 4.5C #4

Use models to determine the formulas for perimeter and area of rectangles and squares.

Belinda made a square shaped cake with a side length of 28 inches.



1. Which method could be used to find the perimeter of her cake?

- A. $P = 4s$, so $4 \times 28 = 112$ in
- A. $P = l + w + l + w$, so $28 + 28 + 28 + 28 = 112$ in
- A. Both of the above

2. Which method could be used to find the area of her cake?

- A. $A = l \times w$, so $4 \times 28 = 112$ sq. in

Name:

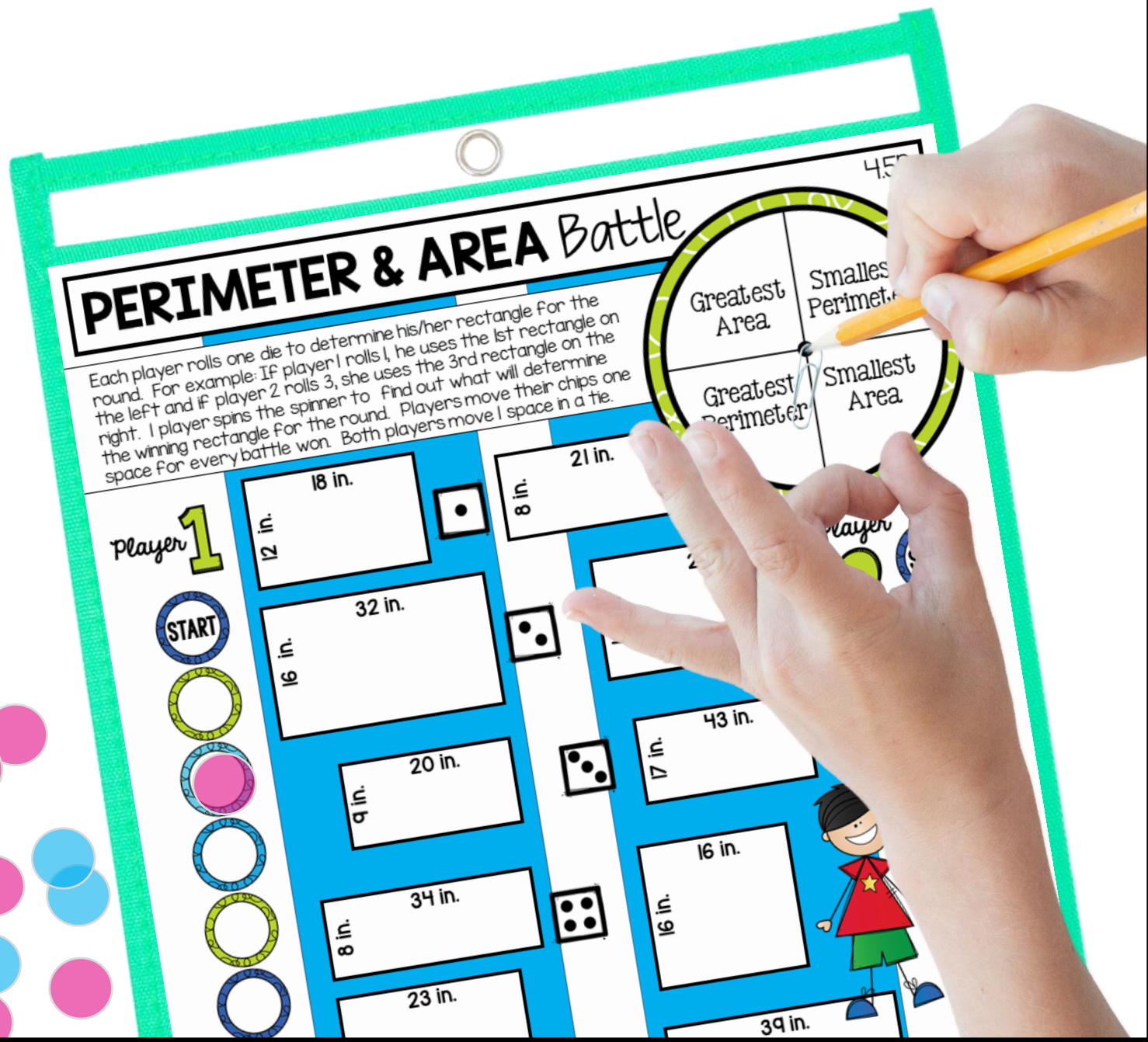
MEASUREMENT 4.8A #3

Convert measurements within the same measurement system

1. A jug contains 64 quarts of iced tea. How many gallons are equivalent to 64 quarts?

1. Samuel poured 3,000 mL of saline solution into a glass jar for a science experiment. How many liters are equivalent to 3,000 mL?

Fun & Engaging Activities



Resources that work together seamlessly

4.8A

Thinking About Miles & Km

Pick 3 locations to travel to from school.

Use Google Maps to find the distance in miles and km to each of those destinations.

Determine how long it would take in minutes and/or hours to drive or walk to that location.

From school to _____

is _____ miles (or _____ km)

It would take _____ to drive there.

It would take _____ to walk there.

From school to _____

is _____ miles (or _____ km)

It would take _____ to drive there.

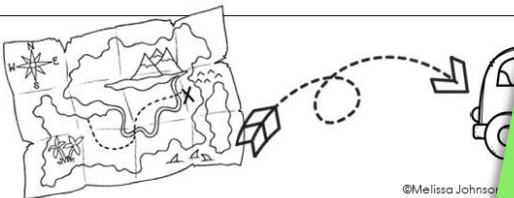
It would take _____ to walk there.

From school to _____

is _____ miles (or _____ km)

It would take _____ to drive there.

It would take _____ to walk there.



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14

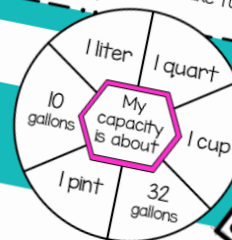
GUESS MY MEASURE

Roll the die to see which spinner you will spin & which rows on the gameboard you will be able to play in for that round. Spin the spinner and find an item on the board that is approximately that measurement. You may place a marker on 1 item per turn. If that item is taken, you may replace that player's chip with your own. Take turns with your partner. The first player to get 3 boxes in a row wins!!!

IF YOU ROLL AN ODD NUMBER SPIN THIS SPINNER.

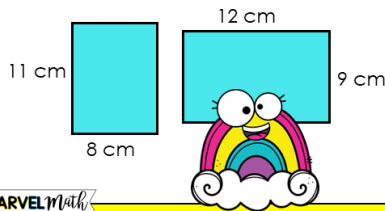


IF YOU ROLL AN EVEN NUMBER SPIN THIS SPINNER.



Includes Digital Practice

Two rectangles are shown. What is the sum of their perimeters?



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- ☐ 40 cm
- ☐ 136 cm
- ☒ 80 cm
- ☐ 196 cm

#5 [TEKS 4.5D]

1 point

A party hall is 52 ft. long and 35 ft. wide. What are the perimeter and area of the party hall?



MARVELMath

About the Author

This resource was created by Melissa Johnson, who has 16 years of k-10 teaching experience and a masters degree in Mathematics Education. Her resources build conceptual understanding, make connections between math topics and engage students in the mathematics they are learning.



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