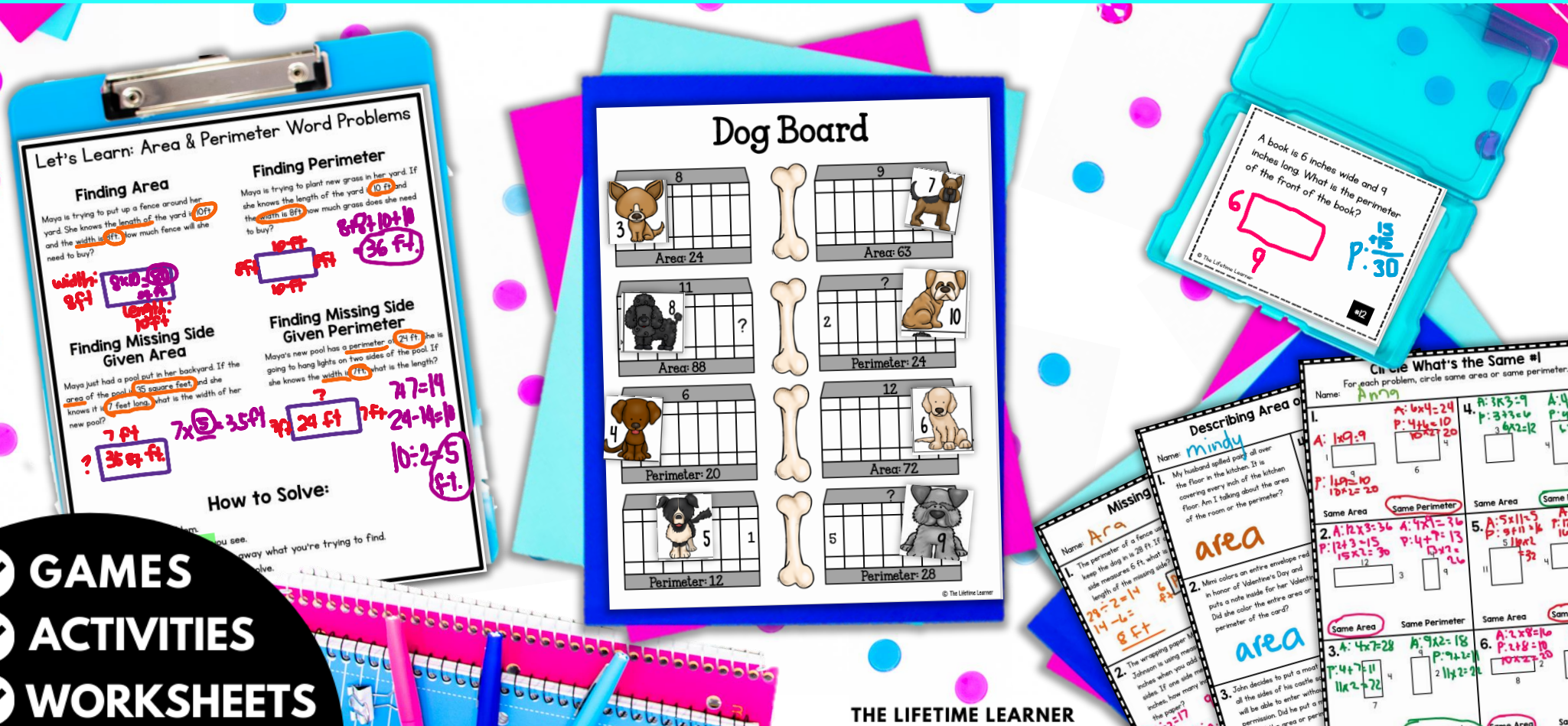


AREA & PERIMETER



2 MINI-LESSONS

Let's Learn: Area & Perimeter Word Problems

Finding Area

Maya is trying to put up a fence around her yard. She knows the length of the yard is 10 ft and the width is 8 ft. How much fence will she need to buy?

width: 8 ft
length: 10 ft
 $8 \times 10 = 80$
36 ft

Finding Perimeter

Maya is trying to plant new grass in her yard. If she knows the length of the yard is 10 ft and the width is 8 ft, how much grass does she need to buy?

10 ft
8 ft
 $8 + 8 + 10 + 10 = 36$
36 ft

Finding Missing Side Given Area

Maya just had a pool put in her backyard. If the area of the pool is 35 square feet, and she knows it is 7 feet long, what is the width of her new pool?

7 ft
?
 $7 \times 5 = 35$
35 ft

Finding Missing Side Given Perimeter

Maya's new pool has a perimeter of 24 ft. She is going to hang lights on two sides of the pool. If she knows the width is 7 ft, what is the length?

7 ft
?
 $7 + 7 = 14$
 $24 - 14 = 10$
 $10 \div 2 = 5$
5 ft

How to Solve:

- Step 1: Read the problem.
- Step 2: Circle the numbers you see.
- Step 3: Look for labels that give away what you're trying to find.
- Step 4: Draw a picture to help you solve.
- Step 5: Show your work!

Let's Learn: Area & Perimeter Missing Sides

Area is Given

7 ft
?
 $? = 8$
8 ft

Area: 56 square feet

$56 \div 7 = 8$
 $7 \times 8 = 56$

4 ft
?
 $? = 5$
5 ft

Area: 20 square feet

$20 \div 4 = 5$
 $4 \times 5 = 20$

Perimeter is Given

3
?
10
3 m
 $? = 10$
10 m

Perimeter: 26 meters

$3 + 3 = 6$
 $26 - 6 = 20$
 $20 \div 2 = 10$

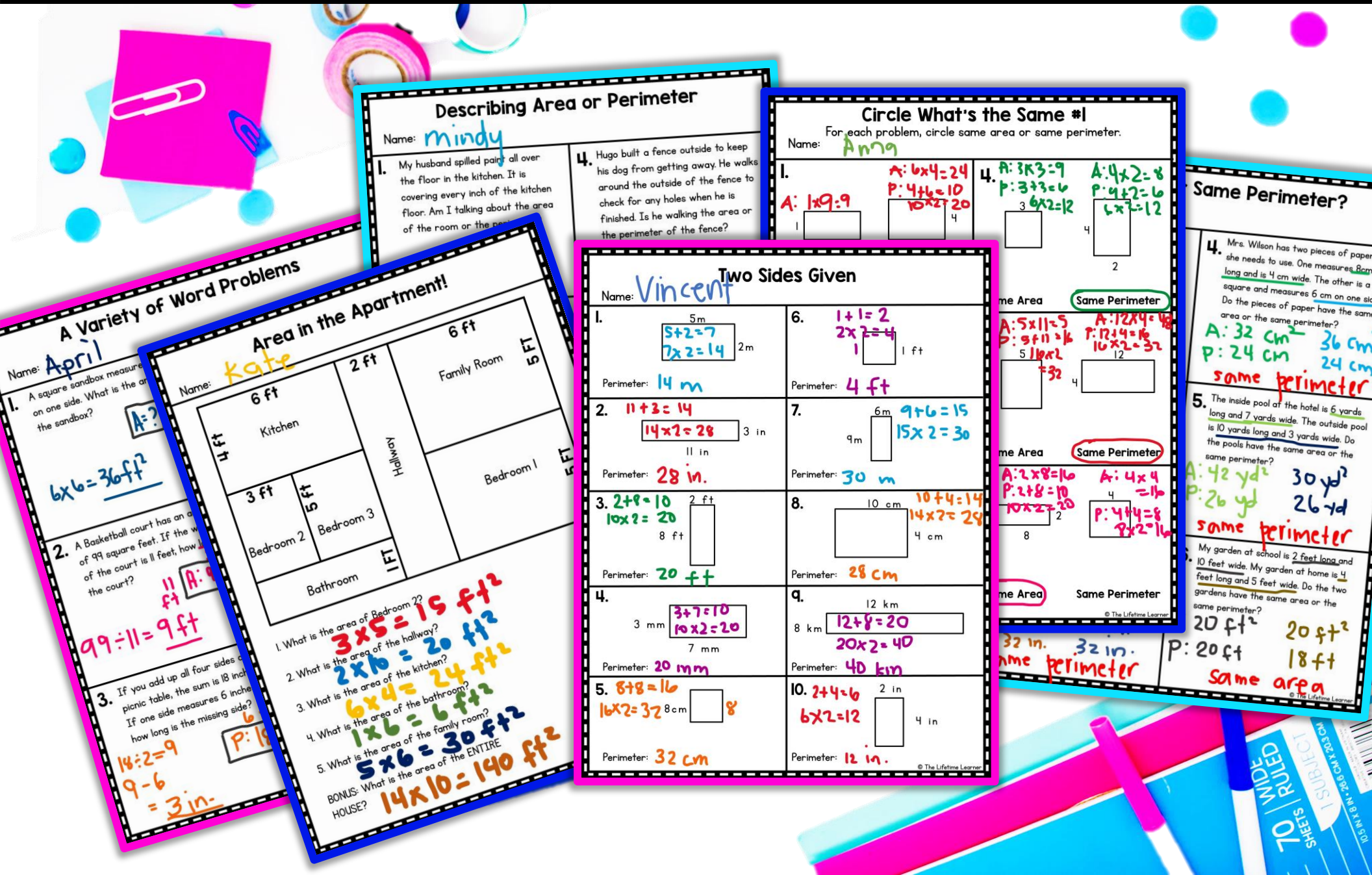
9 m
?
1 m
9 m

Perimeter: 20 meters

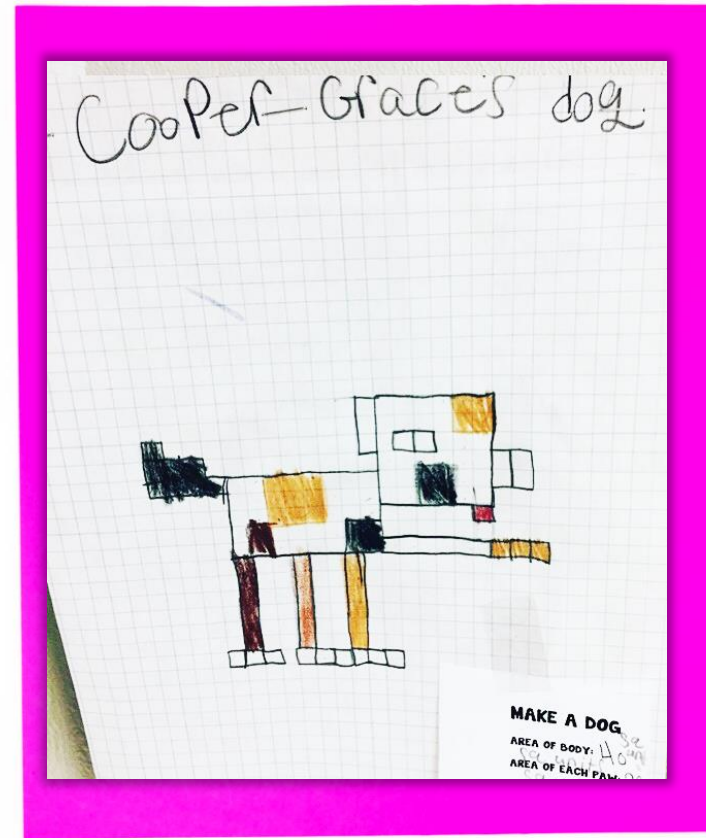
$9 + 9 = 18$
 $20 - 18 = 2$
 $2 \div 2 = 1$

- area & perimeter word problems
- find missing side lengths

18 WORKSHEETS



AREA CRAFT



Students create a drawing and find the area of each part of their drawing by counting the square units.



MATH SORT



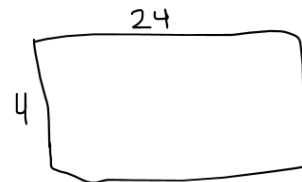
ERROR ANALYSIS

Students decide if each kid solved the problem correctly or incorrectly. They explain their thinking at the bottom.

8 PAGES

Directions: Read the problem below and look at the work the student did. Decide if the work is correct or not.

The garage has an area of 24 sq. ft. If one side of the garage measures 4 feet, what is the length of the other side?

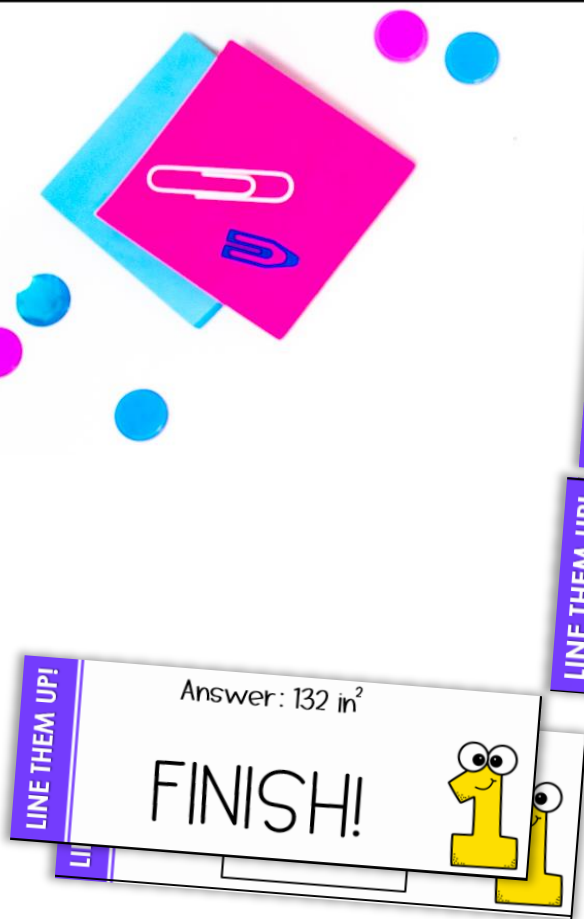


$$4 \times 24 = 96$$

The student says:
It says area so that means multiply.
 $4 \times 24 = 96$.

Explain if they are right or wrong. Put a check or X on their work.
The student found the area but they needed to find the length of the missing side. They should have done $24/4=6$.

GAME #1



LINE THEM UP!

Find the area of each. Start!

8 in

10 in

1

Answer: 80 in²

7 in

2 in

1

Answer: 14 in²

4 in

6 in

1

LINE THEM UP!

Find the area of each. Start!

7 in

9 in

2

Answer: 63 in²

11 in

9 in

2

Answer: 99 in²

5 in

9 in

2

LINE THEM UP!

Answer: 70 in²

Answer: 14 in²

FINISH!

2

HOW TO PLAY:

- Students pair up in teams.
- Students race to line up their cards in order before the other team.



GAME #2

FOR 2-4 PLAYERS



HOW TO PLAY:

1. All players receive a game mat.
2. Students answer a question card.
3. If they are correct, they earn an item.
4. The first person to earn 10 items wins.
5. Chance cards included to spice up gameplay.



Find the length of the missing side given the area or perimeter.

Area:
28 sq. in.
7 in

#8

© The Lifetime Learner

Find the length of the missing side given the area or perimeter.

Find the length of the missing side given the area or perimeter.

Area:
50 sq. in.
5 in

#6

$$5 \times \underline{\quad} = 50$$

10

Find the length of the missing side given the area or perimeter.

Perimeter:
28 in.
7 in

#17

Chance Card!

To Chance Card!

Chance Card!

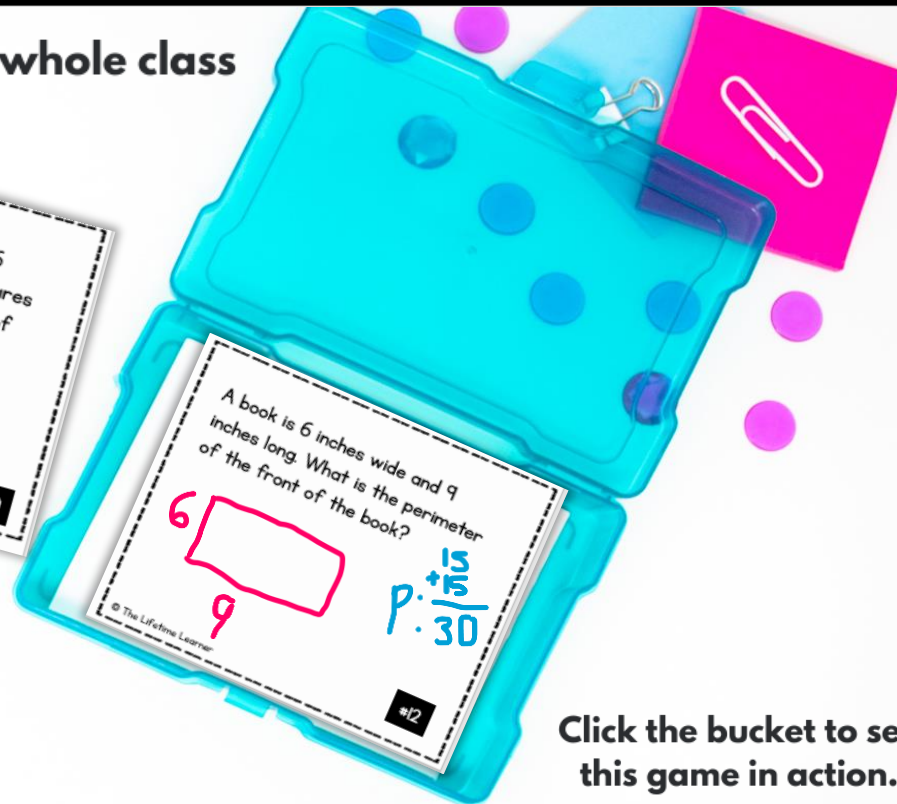
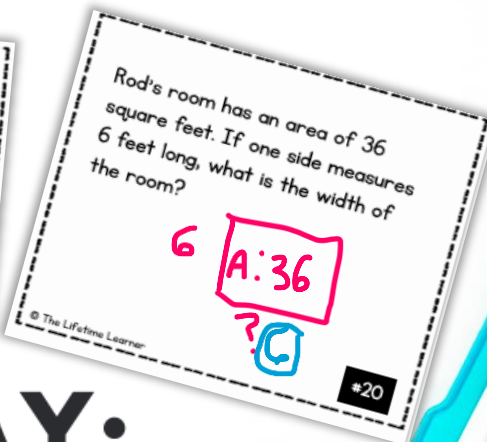
Take 1 piece from the middle.

Take a piece from the middle and give it to another player.

© The Lifetime Learner

GAME #3

the perfect game to play with the whole class



HOW TO PLAY:

1. Students answer task cards.
2. If they get it right, they drop it in the bucket.
3. Students play for a set amount of time.
4. At the end of gameplay, the teacher draws task cards out of the bucket.
5. Any student whose task card gets pulled out gets a small prize.

Click the bucket to see this game in action.



Cat Board

6	9
? Perimeter: 16	? Area: 72
? Area: 42	? Perimeter: 22
12 Perimeter: 26	? Area: 18
? Area: 132	? Perimeter: 30

Dog Board

8	9
? Area: 24	? Area: 63
? Area: 88	? Perimeter: 24
6 Perimeter: 20	12 Area: 72
? Perimeter: 12	? Perimeter: 28

Students find the length of the missing side given the area or perimeter and match each pet to the correct cage. The first one done wins! Then, switch boards and play again.

Cat Board

6									
?									
Perimeter: 16									

?

9									
?									
Area: 72									

?

?									
6									
Area: 42									

?

7									
Perimeter: 22									

?

12									
Perimeter: 26									

?

?									
Area: 18									

?

?									
Perimeter: 30									

?

?									
Area: 132									

?

?									
Perimeter: 30									

?

© The Lifetime Learner

Dog Board

8
?
Area: 24

9
7
?
Area: 63

11
8
?
Area: 88

2
Perimeter: 24

6
?
Perimeter: 20

12
?
Area: 72

1
Perimeter: 12

9
5
Perimeter: 28

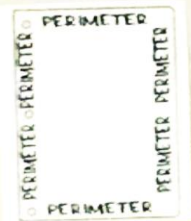
© The Lifetime Learners

Students find the length of the missing side given the area or perimeter and match each pet to the correct cage. The first one done wins! Then, switch boards and play again.

21 POSTERS

Froggy

Put these posters up on the walls for students to reference during your unit.



BUY THE BUNDLE AND SAVE BIG!

4TH GRADE MATH BUNDLE

Partial Products
Name: *ericka*
Use your knowledge of partial products to solve each equation.

1. Equations: $2 \times 5,096$
 $5000 \times 2 = 10000$
 $0 \times 2 = 0$
 $90 \times 2 = 180$
 $6 \times 2 = 12$

2. Equations: $4 \times 8,923$
 $8000 \times 4 = 32000$
 $900 \times 4 = 3600$
 $20 \times 4 = 80$
 $3 \times 4 = 12$

3. Equations: $8 \times 5,624$
 $5000 \times 8 = 40000$
 $600 \times 8 = 4800$
 $20 \times 8 = 160$
 $4 \times 8 = 32$

4. Equations: $5 \times 2,089$
 $2000 \times 5 = 10000$
 $0 \times 5 = 0$
 $80 \times 5 = 400$
 $9 \times 5 = 45$

My Space Scene
To win, you must have 10 items in your space scene.
© The Lifetime Learner

6000+ PAGES

GAMES **ACTIVITIES** **WORKSHEETS**

YOU MAY ALSO LIKE:

AFRICAN safari <<<< **area and perimeter**
4.MD.3



4th GRADE <<<<
By: The Lifetime Learner

EDITABLE
ROOM TRANSFORMATION

BOOT camp <<<< **factors and multiples**
WITHIN 100
4.OA.4



4th GRADE <<<<
By: The Lifetime Learner

EDITABLE
ROOM TRANSFORMATION

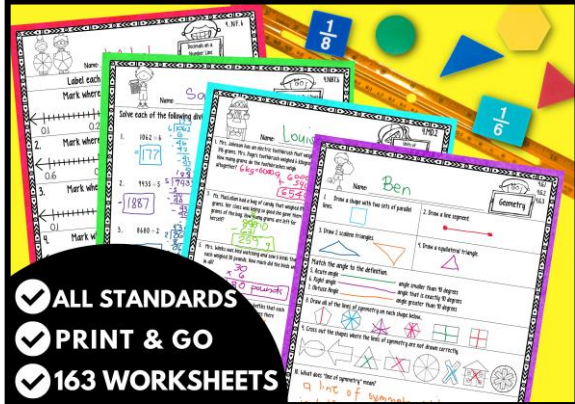
VETERINARIAN PET hospital <<<<<<<<<<<< **multi step WORD PROBLEMS**
4.OA.3



4th GRADE <<<<
By: The Lifetime Learner

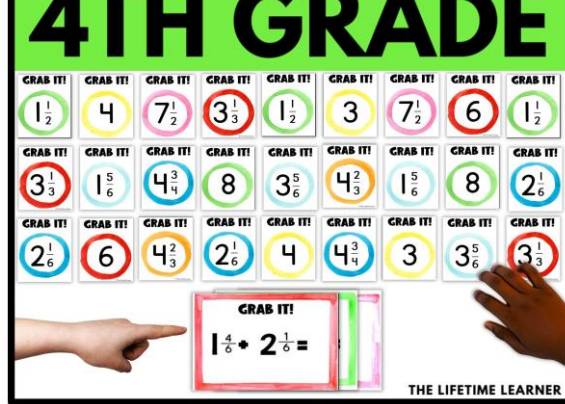
EDITABLE
ROOM TRANSFORMATION

4TH GRADE
WORKSHEET BUNDLE



✓ **ALL STANDARDS**
✓ **PRINT & GO**
✓ **163 WORKSHEETS**

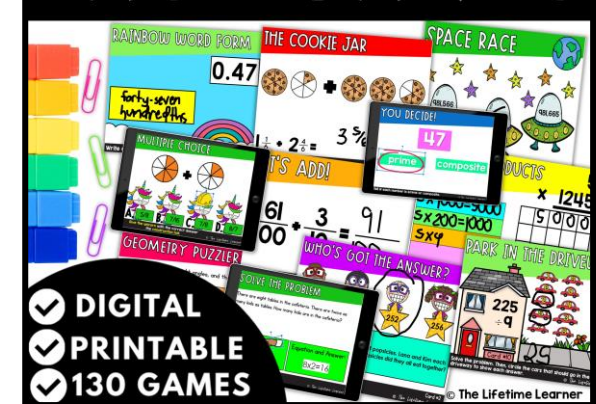
GRAB IT! **35 MATH GAMES**
4TH GRADE



GRAB IT!
 $1\frac{4}{8} \div 2\frac{1}{6} =$

THE LIFETIME LEARNER

4TH GRADE BUNDLE
TASK CARDS



✓ **DIGITAL**
✓ **PRINTABLE**
✓ **130 GAMES**

The Lifetime Learner