

SOLVING LENGTH MATH GAME

Solve Word Problems Involving Length

Game board with instructions and a dice showing 3.

Instructions on board:

- solve a problem!
- skip ahead two spaces
- go back three spaces
- solve a problem!
- skip ahead two spaces
- go back two spaces
- Lose a turn!
- solve a problem!

Word problem cards:

- 11 - The first snake is 41 centimeters long. The second snake measured 72 centimeters long. How much longer is the second snake?
- 12 - Desire is knitting a hat. She started with 85 inches of yarn and used 59 inches of yarn. How much yarn does she have left over?
- 13 - A bridge is 52 centimeters long. A cable is 14 centimeters long. How much longer is the bridge than the cable?

Recording sheet:

| Solve Word Problems Involving Length Recording Sheet | |
|--|----|
| 1 | 2 |
| 3 | 4 |
| 5 | 6 |
| 7 | 8 |
| 9 | 10 |

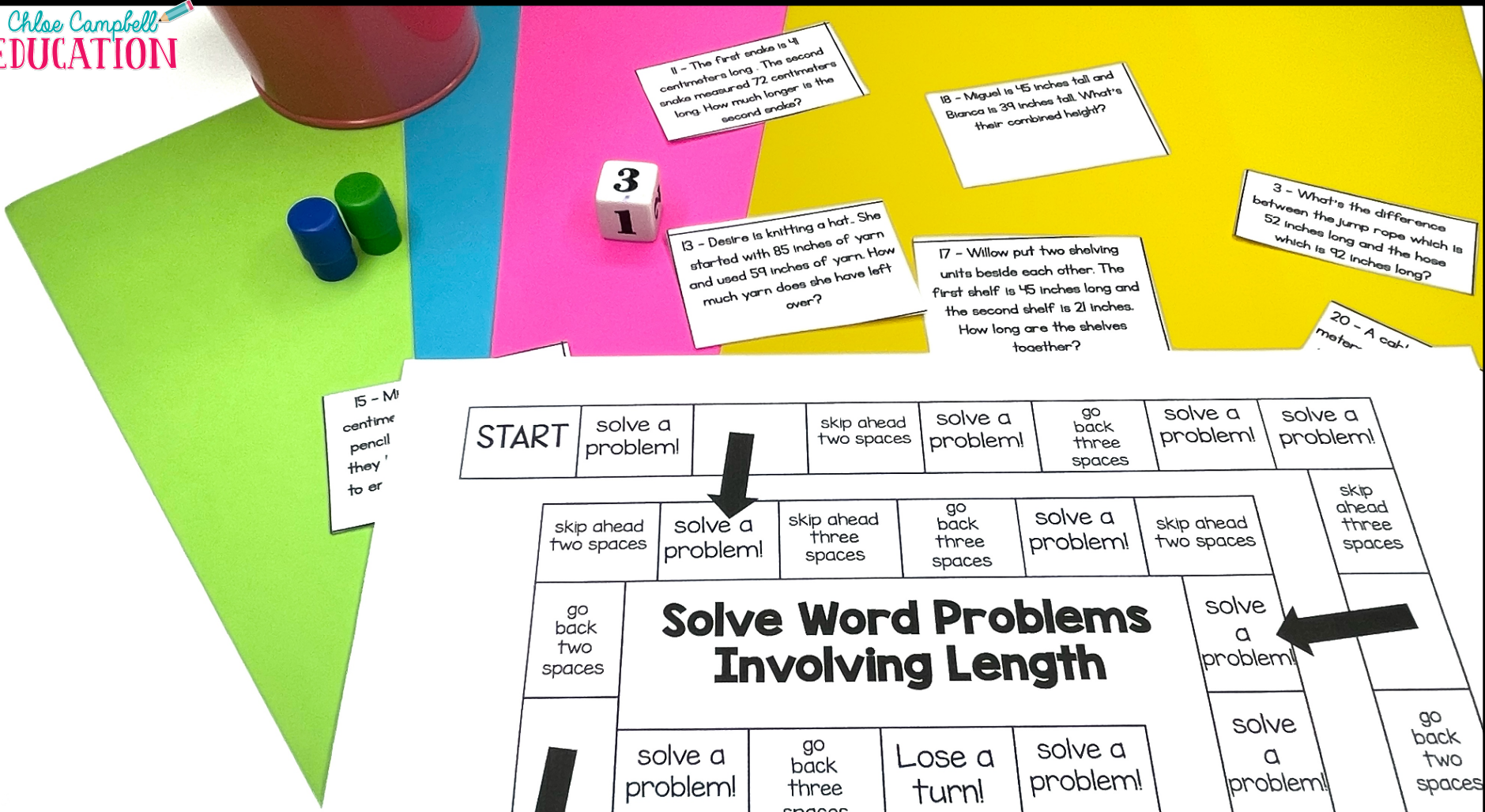
Handwritten calculation on recording sheet:

$$\begin{array}{r} 39 \\ - 32 \\ \hline 7 \text{ in} \end{array}$$

Solving Word Problems Involving Length

This resource includes:

- Teacher Direction Page
- Board Game
- 20 Question Cards
- Student Recording Sheet
- Teacher Answer Key



Students won't even realize they are learning!

What's the best way to use this board game?

- Math Centers or Stations
- Whole Group Practice
- Morning Work
- Early Finisher Activity
- Substitutes
- Send Home to Engage Student Families

skip ahead two spaces solve a problem! skip ahead three spaces back three spaces problem! two spaces

Solve Word Problems Involving Length

go back two spaces

solve a problem!

go back three spaces

Lose a turn!

solve a problem!

solve a problem!

solve a problem!

go back two spaces

the bridge is 100 feet long. If the first cable is 32 centimeters long and the second cable is 14 centimeters long, how long would the third cable be if the three cables are combined?



Solve Word Problems Involving Length Recording Sheet

Name: _____

| | | | |
|---|---|----|----|
| 1 | 2 | 3 | 4 |
| | $\begin{array}{r} 39 \\ - 32 \\ \hline 7 \text{ in} \end{array}$ | | |
| 5 | 6 | 7 | 8 |
| | | | |
| 9 | 10 | 11 | 12 |
| $\begin{array}{r} 48 \\ + 30 \\ \hline 78 \text{ in} \end{array}$ | $\begin{array}{r} 563 \\ - 49 \\ \hline 14 \text{ in.} \end{array}$ | | |
| | | 15 | |

Hold students accountable with recording sheets

Tips for Playing Math Board Games:

- Read the directions to the students and model how to play.
- Be prepared with dice/spinner and game pieces for each player (paperclips, pencil top erasers, pieces from another game, etc.)
- Every student should solve every problem – not just the person who rolls.
- Create groups of 2-4 students. The lower number of students means the more focused students are while playing.
- Remind students that the focus is not playing the game but that's just an added bonus! The focus should be on practicing math skills.
- 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.

Why Board Games?

Research shows that challenge-based gamification in the classroom leads to an increase of 34.755% in student performance

(ScienceDirect, 2020).

Teachers Like You Say:

★★★★★ "These are great for small group stations! What a fun task card adaption. Students get to play a fun and competitive board game, but they also get to practice learning. Plus, the recording sheet makes it easy to grade and monitor student progress; they aren't just playing, they are actively learning and participating with evidence of ability. Great resource!" - Anonymous

★★★★★ "Very easy to use and I truly believe students learn best through game play." -Tony

★★★★★ "My students love playing games and a simple, easy prep game like this is a great addition to math centers, early finisher activities, and review days." -Nicole

Directions

You'll need a dice or a spinner for each game board and a game piece for each player.

The person whose name comes first in alphabetical order will play first in the game. Roll the die and move that number of spaces on the game board. Each person will solve the problem on their own recording sheet.

Everyone will double check their answers with each other. If you have the same correct answers, the next person should roll the die. If you have different answers, discuss it with your team. Find a mistake in your work or try to solve the problem again, then the next player may go.

*If you land on a space with an arrow, you must solve the problem before moving to the next space.

*If you finish early, play the game again.

Solve Word Problems Involving Length

| | | | |
|---|--|--|--|
| 1 - Kevin's arm length is 24 inches and Marshall's arm length is 32 inches. How long are their arms together? | 2 - Sean jumped 32 inches while Amanda was able to jump 39 inches. How much farther did Amanda jump than Sean? | 3 - What's the difference between the jump rope which is 52 inches long and the hose which is 92 inches long? | 4 - The first building is 80 feet tall and the second building is 95 feet tall. How much taller is the second building? |
| 5 - Miranda is 39 inches tall and Peggy is 50 inches tall. Who is taller? How much taller? | 6 - A ribbon was 50 centimeters long. Marley cut off 37 centimeters. How much ribbon was left? | 7 - Kyla jumped 19 inches and Jasmine jumped 28 inches. If they combine their distances, how far did they jump? | 8 - The first tree is 90 feet tall and the second tree is 25 feet tall. How much taller is the first tree? |
| 9 - Gary is 30 inches tall and Brandon is 48 inches tall. What's their combined height? | 10 - The first window is 42 inches wide and the second window is 52 inches wide. How wide are the two windows together? | 11 - The first snake is 41 centimeters long. The second snake measured 72 centimeters long. How much longer is the second snake? | 12 - The couch is 75 inches long and the end table is 23 inches long. What's their combined length? |
| 13 - Desire is knitting a hat.. She started with 85 inches of yarn and used 59 inches of yarn. How much yarn does she have left over? | 14 - Junior flew his airplane 49 inches. On his second try, the airplane flew 63 inches. How much farther did it travel the second time? | 15 - Michael's pencil was 18 centimeters long and Jordan's pencil was 16 centimeters. If they lined up their pencils end to end, what's the total length of the two pencils? | 16 - Jasmin is setting up a path using rope. She has 100 feet of rope and has set up the path to be 37 feet long. How much rope is leftover? |
| 17 - Willow put two shelving units beside each other. The first shelf is 45 inches long and the second shelf is 21 inches. How long are the shelves together? | 18 - Miguel is 45 inches tall and Bianca is 39 inches tall. What's their combined height? | 19 - Luke drew a 52 centimeter long line with blue chalk and a 14 centimeter long line with green chalk. What's the length of the lines combined? | 20 - A cable on a bridge is 43 meters long. Another cable is 12 meters longer than the first cable. How long would the cables be if lined up end to end? |

Name:

Solve Word Problems Involving Length Recording Sheet

| | | | |
|----|----|----|----|
| 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 |

Solve Word Problems Involving Length ANSWER KEY

1
56 inches

2
7 inches

3
40 inches

4
15 feet

5
Peggy; 11 inches

6
13 centimeters

7
47 inches

8
65 feet

9
78 inches

10
94 inches

11
31 centimeters

12
98 inches

13
26 inches

14
14 inches

15
34

16
63 feet

17
66 inches

18
6 inches

19
66 centimeters

20
55 meters

Let's connect!

Thank you for purchasing this resource!

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chloecampbelleducation@gmail.com



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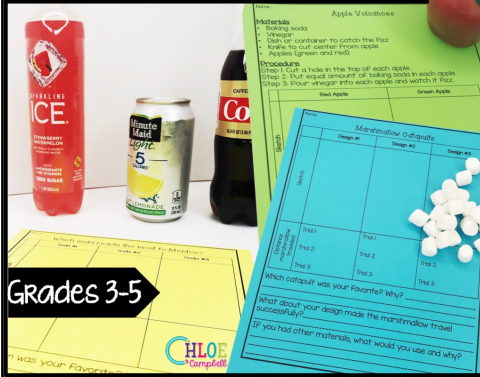
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Resources You'll LOVE!

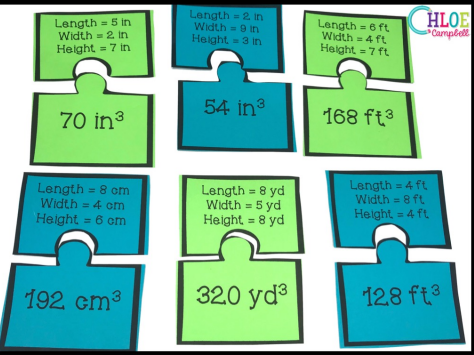
10 SCIENCE ACTIVITIES



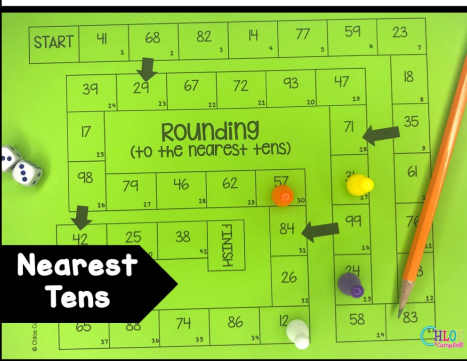
ACCOUNTABLE TALK STEMS



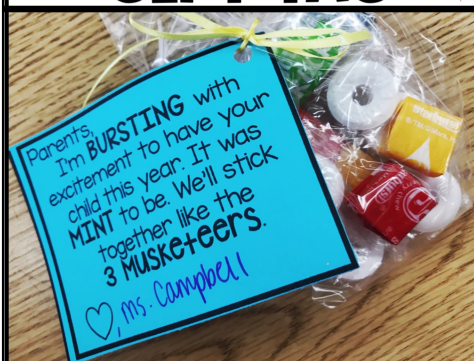
CALCULATING VOLUME



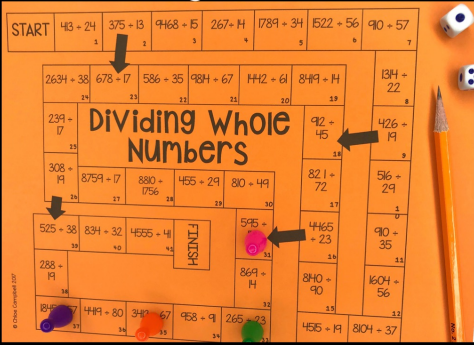
ROUNDING WHOLE NUMBERS



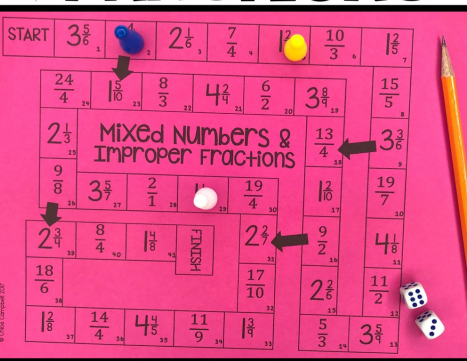
PARENT GIFT TAG



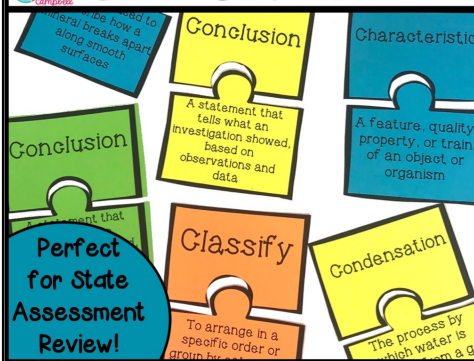
DIVIDE Two Digit Divisors



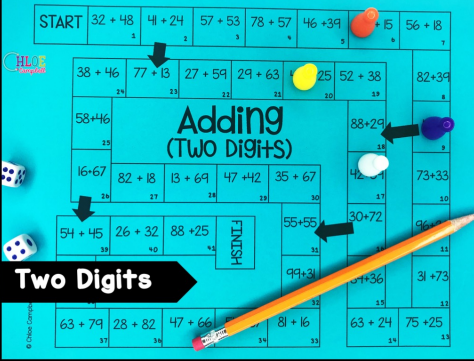
MIXED NUMBERS FRACTIONS



SCIENCE VOCAB 5TH GRADE



ADDING



SCIENCE

ELA

MATH