

# 5th Grade Math Board Games

**Measurement conversions Metric units**

104 km =      m  
480 cm =      m

39,050 mm =      cm  
125.67 cm =      mm

51,460 m =      km  
76.55 km =      m

615,000 mm =      m

37.04 m =      mm

78,750 cm =      m

52.93 m =      cm

8.92 m =      mm

53.2 kg =      g  
81,020 g =      mg

1.93 m =      cm

91,640 cm =      m

46.89 g =      mg

120 mg =      g

**Adding & Subtracting Decimals**

4.01 + 4.2  
8.90 - 0.32  
2.59 + 9.4  
3.2 + 8.4  
1.11 - 1.11  
48.2 - 0.98  
23 + 52

983.4 - 0.13  
8.233 - 3.1  
5.32 - 0.95  
4.29 + 5.6  
4.56 - 0.3  
0.23 + 0.32

551 - 0.24

**Order of Operations**

$3 \times (42 \div 6)$   
 $(24 \div 3) \times 5$   
 $(44 - 4) - 28$   
 $(2 + 5) \times 10$   
 $(31 + 9) + 99$   
 $(19 + 77) - 72$

$92 + (4 - 2)$   
 $6 \times (6 \div 3)$   
 $(55 + 64) + 62$   
 $15 + (34 + 8)$   
 $9 \times (52 - 14)$   
 $(54 \div 6) + 31$

$40 \div (5 + 5)$   
 $(7 \times 2) \div 2$

**Adding & Subtracting Fractions**

START

$41 - \frac{2}{4}$   
 $\frac{3}{8} + 12$   
 $9 - \frac{3}{8}$   
 $\frac{2}{7} + 14$   
 $\frac{1}{9} + \frac{3}{4}$   
 $\frac{1}{2} +$

$2\frac{3}{4} - \frac{3}{8}$   
 $\frac{6}{8} - \frac{1}{7}$   
 $\frac{5}{6} - \frac{3}{5}$   
 $\frac{1}{4} + \frac{6}{7}$   
 $\frac{2}{3} - \frac{6}{11}$   
 $\frac{8}{9} + 10$

$\frac{2}{9} + \frac{1}{7}$   
 $\frac{2}{9} - \frac{1}{7}$   
 $\frac{8}{9} - \frac{1}{7}$   
 $\frac{8}{9} + \frac{1}{7}$

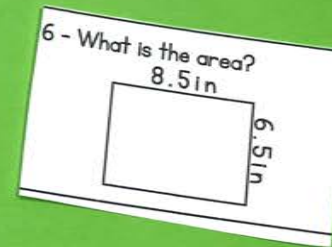
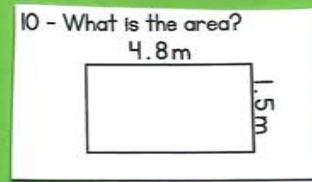
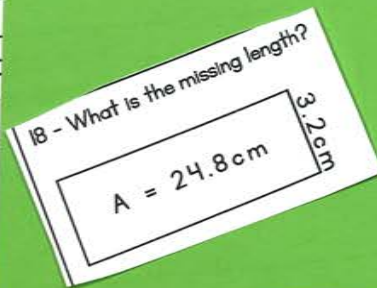
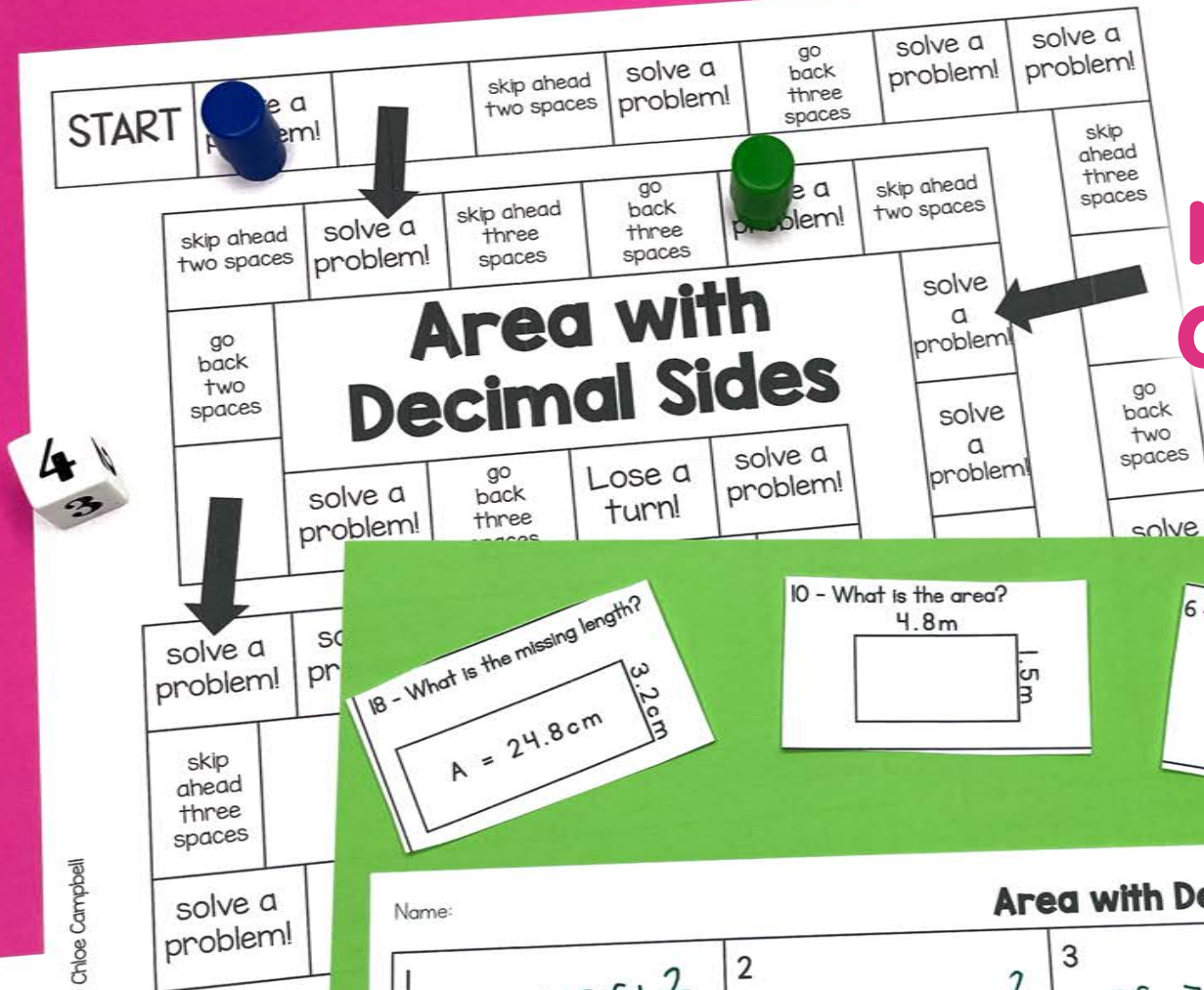
**45 Games!**

# This resource includes:



- Teacher Tips
- Student Directions
- 45 Printable Math Board Games
- Recording Sheets to Hold Students Accountable
- Answer Keys

Students  
won't even  
realize they  
are learning!



Name: \_\_\_\_\_

Area with Decimal Sides Recording Sheet			
1 $15.17 \text{ ft}^2$	2 $32.4 \text{ cm}^2$	3 $35.75 \text{ m}^2$	4
5	6 $5.925 \text{ m}^2$	7	8
9	10	11	12



# Teachers Like You Say:

★★★★★ Extremely satisfied

These are great for small group stations! What a fun task card adaptation. 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!

★★★★★ Extremely satisfied

My students love games especially when they can compete with each other. Best resource with so many different options.

★★★★★ Extremely satisfied

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.

# 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

# Volume

## Recording Sheet

Name: \_\_\_\_\_

1. 30 units<sup>3</sup>

2.

$$\begin{array}{r} 24 \\ 4 \\ \hline 96 \end{array}$$

96 units<sup>3</sup>

3.

$$\begin{array}{r} 3 \\ 56 \\ 6 \\ \hline 336 \end{array}$$

336 units<sup>3</sup>

4.

6.

Hold students accountable  
with a recording sheet

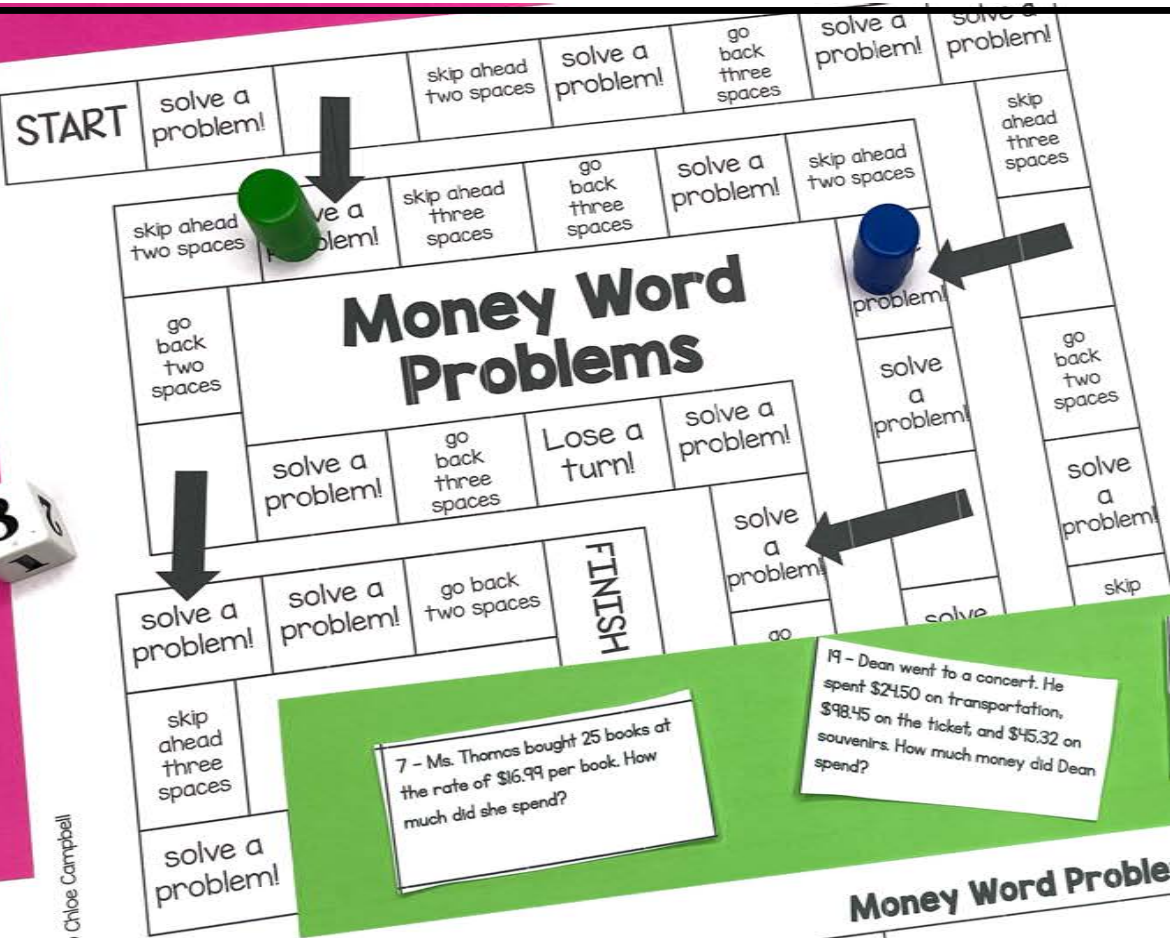
# Topics Included

1. Order of Operations
2. Patterns
3. Writing and Solving Expressions
4. Writing Equations
5. Solving One Step Equations
6. Multi Step Word Problems
7. Input and Output Tables
8. True or False Equations
9. Multiply Whole Numbers  
(2 digit by 2 digit)
10. Multiply Whole Numbers  
(3 digit by 3 digit)
11. Divide Whole Numbers
12. Rounding Decimals
13. Comparing Decimals
14. Writing Decimals in Expanded and Word Form
15. Adding and Subtracting Decimals
16. Adding Decimals to Find Perimeter
17. Multiplying Decimals
18. Dividing Decimals
19. Multiplying Powers of Ten
20. Multiplying & Dividing Powers of Ten
21. Exponents
22. Relationships Between Digits
23. Compose and Decompose Decimals
24. Multiplying Decimals to Find Area

# Topics Included

25. Writing Fractions as Division Problems
26. Writing Whole Numbers as Fractions
27. Equivalent Fractions
28. Mixed Numbers and Improper Fractions
29. Add and Subtract Fractions with Like Denominators
30. Add and Subtract Fractions with Unlike Denominators
31. Multiplying Fractions
32. Dividing Fractions
33. Dividing Fractions Word Problems
34. Multiplying Fractions to Find Area
35. Adding Fractions to Find Perimeter
36. Money Word Problems
37. Adding and Subtracting Fractions with Unlike Denominators Word Problems
38. Measurement Conversions Customary Units
39. Measurement Conversations Metric Units
40. Calculate Volume
41. Mean, Median, Mode, Range
42. Plot Ordered Pairs on Coordinate Grids
43. Classifying 2D Figures and Quadrilaterals
44. Classifying Triangles
45. Classifying 3D figures





# Money Word Problems

7 - Ms. Thomas bought 25 books at the rate of \$16.99 per book. How much did she spend?

19 - Dean went to a concert. He spent \$24.50 on transportation, \$98.45 on the ticket, and \$45.32 on souvenirs. How much money did Dean spend?

11 - Jorge's mom sent him to the store with \$50. He picked up 2 sodas at \$3.99 each, 4 bags of chips at \$4.50 each, and 2 gallons of milk at \$5.50 each. How much change will Jorge receive?

## Money Word Problems Recording Sheet

Name: \_\_\_\_\_

1	2	3	4
		80	\$63.00
5	6	7	8
\$9.33	33 games		
9	10	11	12
		\$13.02	
			16

# 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.



# Tips for Playing Math Board Games:

- 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.



START	$8.5 \times 10^1$ 1	$248.92 \times 10^4$ 2	$1.28 \times 10^3$ 3	$498.32 \times 10^3$ 4	$415.95 \times 10^2$ 5	$52.8 \times 10^4$ 6	$582.61 \times 10^1$ 7
-------	------------------------	---------------------------	-------------------------	---------------------------	---------------------------	-------------------------	---------------------------

$9.654 \times 10^1$ 24	$723.1 \times 10^2$ 23	$72.264 \times 10^3$ 22	$96.536 \times 10^1$ 21	$74.3 \times 10^1$ 20	$66.5 \times 10^2$ 19	$8.15 \times 10^1$ 8	
$1.7 \times 10^1$ 25	<h1>Multiplying Powers of Ten</h1>				$3.595 \times 10^4$ 18	$4.7 \times 10^3$ 9	
$62.241 \times 10^2$ 26					$35.3 \times 10^2$ 27	$76.978 \times 10^2$ 28	$9.96 \times 10^4$ 29
$2.6 \times 10^1$ 39	$56.461 \times 10^2$ 40	$5.47 \times 10^1$ 41	FINISH	$6.45 \times 10^3$ 31	$79.5 \times 10^4$ 16	$9.969 \times 10^2$ 11	
$835.13 \times 10^4$ 38	$83.7 \times 10^4$ 37	$1.87 \times 10^4$ 36		$74.44 \times 10^4$ 35	$5.229 \times 10^3$ 34	$1.3 \times 10^3$ 33	$87.3 \times 10^4$ 32
				$144.717 \times 10^3$ 14	$61.423 \times 10^2$ 13	$884.4 \times 10^2$ 15	$6.72 \times 10^2$ 12



# Why Board Games?

Research shows that challenge-based gamification in the classroom leads to an increase of 34.755% in student performance (ScienceDirect, 2020).



START	$431 \times 24$ 1	$348 \times 12$ 2	$91 \times 381$ 3	$27 \times 174$ 4	$199 \times 34$ 5	$172 \times 56$ 6	$951 \times 57$ 7
	$242 \times 318$ 24	$658 \times 17$ 23	$51 \times 135$ 22	$174 \times 675$ 21	$152 \times 612$ 20	$839 \times 143$ 19	$434 \times 152$ 8
$229 \times 117$ 25	<h2>Multiply Whole Numbers (3X2 and 3X3)</h2>					$982 \times 454$ 18	$496 \times 129$ 9
$358 \times 159$ 26	$879 \times 17$ 27	$849 \times 56$ 28	$245 \times 29$ 29	$775 \times 49$ 30	$862 \times 152$ 17	$526 \times 299$ 10	
$215 \times 38$ 39	$834 \times 42$ 40	$45 \times 589$ 41	FINISH		$45 \times 386$ 31	$415 \times 273$ 16	$951 \times 365$ 11
$268 \times 659$ 38				$889 \times 13$ 32	$821 \times 991$ 15	$174 \times 156$ 12	
$445 \times 257$ 37	$449 \times 846$ 36	$348 \times 647$ 35	$648 \times 961$ 34	$145 \times 23$ 33	$475 \times 19$ 14	$881 \times 37$ 13	



# Bonuses:

- Save over \$60 by purchasing the games in a bundle!
- Gain access to an “All in One” easy download file. It’s a PDF that has ALL 45 games to make it easier to print!



**START**

2,000 mg = <u>    </u> g	104 km = <u>    </u> m	480 cm = <u>    </u> m	56 kg = <u>    </u> g	8 mm = <u>    </u> cm	5 L = <u>    </u> mL	198 g = <u>    </u> kg
123.59 L = <u>    </u> mL	319,050 mm = <u>    </u> cm	125.67 cm = <u>    </u> mm	51,460 m = <u>    </u> km	76.55 km = <u>    </u> m	65,000 mm = <u>    </u> m	3704 m = <u>    </u> mm
8138 g = <u>    </u> mg	513.2 kg = <u>    </u> g	81,020 g = <u>    </u> mg	193 m = <u>    </u> cm	9,640 cm = <u>    </u> m	8,92 m = <u>    </u> mm	52.93 m = <u>    </u> cm
49,510 mg = <u>    </u> g	4689 g = <u>    </u> kg	4689 g = <u>    </u> kg	4689 g = <u>    </u> kg	4689 g = <u>    </u> kg	4689 g = <u>    </u> kg	4689 g = <u>    </u> kg

**Measurement conversions Metric units**

**FIN**

**START**

4.32 + 1.98	2.3 - 0.1	3.24 + 9.5	4.55 - 0.5	9.99 + 3.2	0.3 + 0.5	0.9 + 9.3
4.01 + 4.2	2.59 + 9.4	3.2 + 8.4	111 - 111	48.2 - 0.98	2.3 + 5.2	3.22 - 0.92
8.90 - 0.32	5.32 - 0.95	4.29 + 5.6	4.56 - 0.3	0.23 + 0.32	983.4 - 0.13	3.11 + 9.4
5.32 - 0.95	4.29 + 5.6	4.56 - 0.3	0.23 + 0.32	5.51 - 0.24	8.233 - 3.1	5.2 - 1.2
5.51 - 0.24	8.233 - 3.1	5.2 - 1.2	4.5 + 9.5			

**Adding & Subtracting Decimals**

**FIN**

**START**

41 - $\frac{2}{4}$	$\frac{3}{8} + 12$	9 - $\frac{3}{8}$	$\frac{2}{7} + 14$	$\frac{1}{9} + \frac{3}{4}$	$\frac{1}{2} + \frac{5}{6}$	$\frac{5}{7} + \frac{9}{10}$
$2\frac{3}{4} - \frac{3}{8}$	$\frac{6}{8} - \frac{1}{7}$	$\frac{5}{6} - \frac{3}{5}$	$\frac{1}{4} + \frac{6}{7}$	$\frac{2}{3} - \frac{6}{11}$	$\frac{8}{9} + 10$	$\frac{13}{14} - \frac{1}{2}$
$\frac{2}{9} + \frac{1}{7}$	$\frac{8}{9} - \frac{1}{7}$	$\frac{8}{10} + \frac{5}{6}$	$\frac{4}{5} - \frac{2}{9}$	$\frac{8}{10} - \frac{4}{9}$	$\frac{9}{12} + \frac{4}{5}$	$\frac{4}{6} - \frac{1}{9}$
$\frac{3}{8} - \frac{4}{2}$	$4\frac{1}{5} - \frac{8}{9}$	$\frac{4}{5} + 6$	$\frac{4}{5} + \frac{2}{3}$	$\frac{9}{10} - \frac{3}{5}$	$\frac{1}{2} + \frac{9}{10}$	$\frac{1}{4} + \frac{5}{6}$
$\frac{4}{5} + \frac{8}{10}$	$\frac{3}{12} + \frac{6}{7}$	$\frac{4}{8} + \frac{9}{10}$	15 - $\frac{2}{3}$	$\frac{4}{5} + \frac{1}{9}$	$\frac{8}{10} - \frac{3}{5}$	

**Adding & Subtracting Fractions**  
★Unlike Denominators★

**FIN**

**START**

10x(5+10)	3x(42-6)	(24+3)x5	(44-4)-28	(2+5)x10	(31+9)+99	(19+77)-72
(26+84)-24	92-(4-2)	6x(6-3)	(55+64)+62	15+(34+8)	9x(52-14)	(54-6)+31
31+(4x7)	(90-40)x5	585-(70-56)	(45+45)-9	81+(30-6)	(8-4)-2	(7x2)+2
(11-1)+2	3x(4+2)	7x(3-1)	(8x8)-63	(91-1)+10	(7x7)-10	(74+24)+2
9x(100-45)	3+(64-59)	(9x5)-5	3x(8x6)	14+(74-56)		

**Order of operations**

**FIN**

# Add to Cart!

Purchase now to see  
student engagement and  
student achievement  
increase!