

Thanks  
For trying out  
these story  
problem  
challenges!

Rick


# Math Story Problem Challenges



## Grades 4-5 7 Pages

Name \_\_\_\_\_ Date \_\_\_\_\_ Score \_\_\_\_\_

**Math Story Problem Challenge**  
Task 2: Party Time




Jace and Jake are brothers and are having a spring party. They will be inviting a lot of friends. There will be a total of 34 people at the party. They will have pizza and soda pop and watch a movie. The soda pop comes in 6-packs and costs \$2.98 per pack. Pizza costs \$6.75 each and is cut into 8 slices. The movie costs \$4.25 to rent. Each small table can seat 4 people.

1. How many 6 packs of soda do Jace and Jake need to buy if each person has one pop? Work Space:	Final Answer
2. How much money will the pizza cost for the party if each person has two slices? Work Space:	Final Answer
3. How many tables are needed in order for everyone to be seated? Work Space:	Final Answer
4. If each person has two slices of pizza, how many slices will be left over? Work Space:	Final Answer
5. What is the total cost of everything needed for the party? Work Space:	Final Answer

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Name \_\_\_\_\_ Date \_\_\_\_\_ Score \_\_\_\_\_

**Math Story Problem Challenge**  
Task 1: A Place for the Dog



Mr. Jones is planning to plant grass and place a fence in a small area for his dog. The rectangular dimensions are 12 x 15 feet. The grass costs 50 cents per square foot. The small fence costs \$8.00 per linear foot.

1. How many feet of fence are needed for the total perimeter? Work Space:	Final Answer
2. What is the total cost for the fence? Work Space:	Final Answer
3. How many square feet of grass are needed for the total area? Work Space:	Final Answer
4. What is the total cost for the grass? Work Space:	Final Answer
5. If Mr. Jones spends an additional \$50 for tools, what is the total cost for the entire project? Work Space:	Final Answer

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*Various math skills  
must be used to  
solve real-life  
math challenges!  
QR code enabled.  
Full answer keys  
provided.*

*These realistic scenarios help kids understand math relevance. They are perfect for practicing and applying math skills. Great for homework or extra practice.*



# **Math Story Problem Challenges**

[Click here to read about or obtain the FULL VERSION of Math Word Problem Challenges](#)

The Math Word Problem Challenges provide a unique format for practicing and reinforcing multistep word problems. After the story is presented, five story-based math problems follow. This breaks tasks into manageable chunks with built-in scaffolding. Students experience realistic math scenarios which reinforces math relevance.

The story problem tasks are aimed primarily at grades 4 and 5 although those of any age can work these tasks depending upon their knowledge and skill level. The tasks require the use of skills such as adding, subtracting, multiplying, dividing, averaging, decimals, finding perimeter and area, time, measurement, money, and percentages.

QR codes are provided on each worksheet which can give immediate feedback. Any device with a camera and QR app can read the codes. Detailed answer keys are also included.

If you have any questions or comments about these math tasks or my materials in general, feel free to contact me by email at: [schoolwhitehead@gmail.com](mailto:schoolwhitehead@gmail.com)

Name \_\_\_\_\_ Date \_\_\_\_\_ Score \_\_\_\_\_

# Math Story Problem Challenge



QR Answers



## Task 1: A Place for the Dog

Mr. Jones is planning to plant grass and place a fence in a small area for his dog. The rectangular dimensions are 12 x 15 feet. The grass costs 50 cents per square foot. The small fence costs \$8.00 per linear foot.

1. How many feet of fence are needed for the total perimeter? Work Space:	<b>Final Answer</b>
2. What is the total cost for the fence? Work Space:	<b>Final Answer</b>
3. How many square feet of grass are needed for the total area? Work Space:	<b>Final Answer</b>
4. What is the total cost for the grass? Work Space:	<b>Final Answer</b>
5. If Mr. Jones spends an additional \$50 for tools, what is the total cost for the entire project? Work Space:	<b>Final Answer</b>

# Math Story Problem Challenge



QR Answers



## Task 2: Party Time

Jace and Jake are brothers and are having a spring party. They will be inviting a lot of friends. There will be a total of 14 people at the party. They will have pizza and soda pop and watch a movie. The soda pop comes in 6-packs and costs \$2.98 per pack. Pizza costs \$6.75 each and is cut into 8 slices. The movie costs \$4.25 to rent. Each small table can seat 4 people.

1. How many 6 packs of soda do Jace and Jake need to buy if each person has one pop? Work Space:	<b>Final Answer</b>
2. How much money will the pizza cost for the party if each person has two slices? Work Space:	<b>Final Answer</b>
3. How many tables are needed in order for everyone to be seated? Work Space:	<b>Final Answer</b>
4. If each person has two slices of pizza, how many slices will be left over? Work Space:	<b>Final Answer</b>
5. What is the total cost of everything needed for the party? Work Space:	<b>Final Answer</b>





# Math Story Problem Challenge



## Task 1: A Place for the Dog

Mr. Jones is planning to plant grass and place a fence in a small area for his dog. The rectangular dimensions are 12 x 15 feet. The grass costs 50 cents per square foot. The small fence costs \$8.00 per linear foot.

1. How many feet of fence are needed for the total perimeter? Work Space: $12 + 12 + 15 + 15 = 54 \text{ ft.}$	<i>Final Answer</i>  <b>54 feet</b>
2. What is the total cost for the fence? Work Space: $54 \times \$8.00 = \$432.00$	<i>Final Answer</i>  <b>\$432.00</b>
3. How many square feet of grass are needed for the total area? Work Space: $12 \times 15 = 180 \text{ ft}^2$	<i>Final Answer</i>  <b>180 ft<sup>2</sup></b>
4. What is the total cost for the grass? Work Space: $\$0.50 \times 180 = \$90.00$	<i>Final Answer</i>  <b>\$90.00</b>
5. If Mr. Jones spends an additional \$50 for tools, what is the total cost for the entire project? Work Space: $\$432 + \$90 + \$50 = \$572.00$	<i>Final Answer</i>  <b>\$572.00</b>

# Math Story Problem Challenge

## Task 2: Party Time



QR Answers



Jace and Jake are brothers and are having a spring party. They will be inviting a lot of friends. There will be a total of 14 people at the party. They will have pizza and soda pop and watch a movie. The soda pop comes in 6-packs and costs \$2.98 per pack. Pizza costs \$6.75 each and is cut into 8 slices. The movie costs \$4.25 to rent. Each small table can seat 4 people.

1. How many 6 packs of soda do Jace and Jake need to buy if each person has one pop? Work Space: $3 \times 6 = 18$	<i>Final Answer</i> <b>3 packs</b>
2. How much money will the pizza cost for the party if each person has two slices? Work Space: $4 \times \$6.75 = \$27.00$	<i>Final Answer</i> <b>\$27.00</b>
3. How many tables are needed in order for everyone to be seated? Work Space: $4 \times 4 = 16$	<i>Final Answer</i> <b>4 tables</b>
4. If each person has two slices of pizza, how many slices will be left over? Work Space: $32 - 28 = 4$	<i>Final Answer</i> <b>4 slices</b>
5. What is the total cost of everything needed for the party? Work Space: $\$27.00 + \$8.94 + \$4.25 = \$40.19$	<i>Final Answer</i> <b>\$40.19</b>



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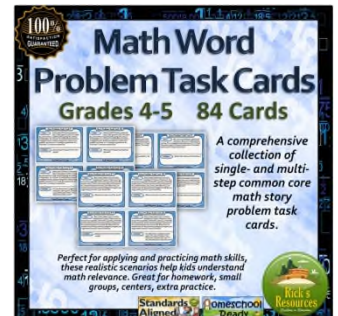
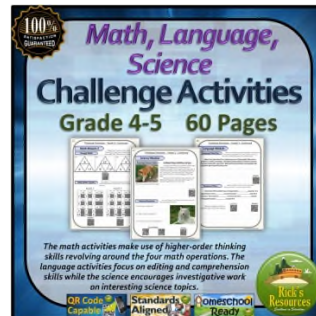
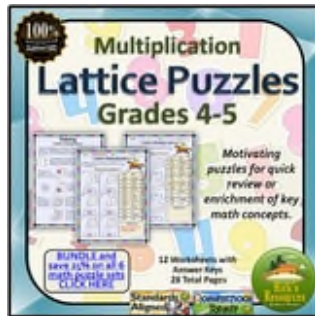
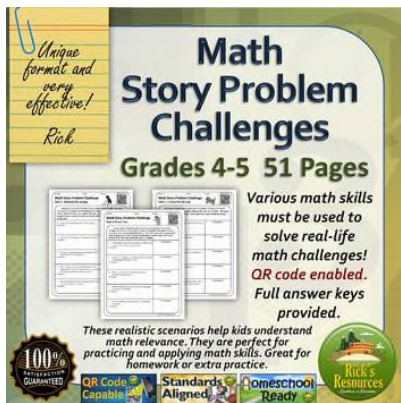
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