Grade 3 Problem of the Day

(From SDUSD)

Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day | Day 7 | Day 8 | Day 9 | Day 10

Purpose:

- To make sense of math word problems before solving
- To make connections between the story and the quantities.

Directions:

_____

_____Use the following 10 problems or any math story problem.

_____Another person needs to read with the student and ask the following questions.

_____**Before solving the Problem**

- Another person with the student reads the problem and asks: ***What is the story about?***

  Example: *Marco had 5 packs of Pokemon cards. Each pack has 10 cards. How many Pokemon cards does Marco have?*

  This story is about Marco having Pokemon cards.

- Read the problem again and ask: ***What do the quantities (numbers, amounts) represent?***

  The 5 represents the number of packs of Pokemon cards.
  The 10 represents the number of cards in each (one) pack.
  The amount that is unknown is how many cards Marco has.

- Read the problem again and ask: ***What is the problem asking us to find out?***

  We need to find out how many Pokemon cards Marco has.

Solving the Problem

- The student should try to solve the problem on their own by drawing visual representations (math pictures) or by using different strategies.

- The student should put written labels next to their visual representations or equations. The written labels identify the quantities.

  5 x 10 = ? 5 x 10 = 50

  packs | cards in pack | total cards

- The student should answer the question with a complete sentence.

  Marco has 50 Pokemon cards.

Grade 3

Problem #1

At Paul's school there are 270 girls and 298 boys. There are 354 students at Alice's school. How many more students are there at Paul's school than Alice's school?

Solve the problem in a way that makes sense to you.

- ❏ *Draw a visual representation.*
- ❏ *Write equations.*
- ❏ *Write labels for the quantities.*
- ❏ *Answer the question with a complete sentence.*

Grade 3

Problem #2

Pete can run 75 yards in one minute. Sharon can run 26 more yards than Pete in one minute. How many yards can they both run in one minute?

Solve the problem in a way that makes sense to you.

- ❏ *Draw a visual representation.*
- ❏ *Write labels for the quantities.*
- ❏ *Write equations.*
- ❏ *Answer the question with a complete sentence.*

Grade 3

Problem #3

Claire and Owen played video games. The first game lasted 24 minutes. After the first game, Claire and Owen had lunch for 30 minutes. The second game lasted 36 minutes. How many minutes did they play the games?

Solve the problem in a way that makes sense to you.

- ❏ *Draw a visual representation.*
- ❏ *Write equations.*
- ❏ *Write labels for the quantities.*
- ❏ *Answer the question with a complete sentence.*

Grade 3

Problem #4

Josie spent $40 on tickets to a movie. The cost of one ticket is $8. How many tickets did Josie buy?

Solve the problem in a way that makes sense to you.

- ❏ *Draw a visual representation.*
- ❏ *Write equations.*
- ❏ *Write labels for the quantities.*
- ❏ *Answer the question with a complete sentence.*

Grade 3

Problem #5

Eddie borrowed $60 from his dad. Every month he pays his dad back $12. How much money does Eddie still owe his dad after 4 months?

Solve the problem in a way that makes sense to you.

- ❏ *Draw a visual representation.*
- ❏ *Write equations.*
- ❏ *Write labels for the quantities.*
- ❏ *Answer the question with a complete sentence.*

Grade 3
Problem #6

Maxine earns $8 each hour that she works as a cashier. She starts with $233. Today she cashiers for 6 hours. How much does she have at the end of the day?

Solve the problem in a way that makes sense to you.

- ❏ *Draw a visual representation.*
- ❏ *Write labels for the quantities.*
- ❏ *Write equations.*
- ❏ *Answer the question with a complete sentence.*

Grade 3

Problem #7

Paul bought thirty-eight regular sodas and sixteen diet sodas. If his fridge only holds nine sodas on each shelf, how many shelves will he fill up?

Solve the problem in a way that makes sense to you.

- ❏ *Draw a visual representation.*
- ❏ *Write labels for the quantities.*
- ❏ *Write equations.*
- ❏ *Answer the question with a complete sentence.*

Grade 3
Problem #8

Charlie was organizing his book case making sure each of the shelves had exactly 8 books on it. If he had four shelves of mystery books and 3 shelves of science fiction books, how many books does he have in all?

Solve the problem in a way that makes sense to you.

- ❏ *Draw a visual representation.*
- ❏ *Write equations.*
- ❏ *Write labels for the quantities.*
- ❏ *Answer the question with a complete sentence.*

Grade 3

Problem #9

A painter needed to paint 10 rooms in a building. Each room takes 8 hours to paint. If he already painted 6 rooms, how much time will it take to finish the job?

Solve the problem in a way that makes sense to you.

- ❏ *Draw a visual representation.*
- ❏ *Write equations.*
- ❏ *Write labels for the quantities.*
- ❏ *Answer the question with a complete sentence.*

Grade 3

Problem #10

Daniel had a box of chocolates. Each chocolate bar in the box cost $3. If the box had 7 bars total and Daniel sold all but 4 bars, how much money would he have earned?

Solve the problem in a way that makes sense to you.

- ❏ *Draw a visual representation.*
- ❏ *Write equations.*
- ❏ *Write labels for the quantities.*
- ❏ *Answer the question with a complete sentence.*