Grade 4 Problem of the Day

Oprima para esta página en Español

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

Directions:

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_____Use the following 15 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 25 packs of Pokemon cards. Each pack has 15 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 25 represents the number of packs of Pokemon cards.
    The 15 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   **Example #1**   **Example #2**

- 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.

$$25 \quad \text{x} \quad 15 \quad = \quad ? \qquad\qquad 25 \text{ x } 15 = 375$$

  packs   cards in pack   total cards

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

    Marco has 375 Pokemon cards.

The library added 530 biographies to it's collection. It now has 883 biographies altogether. How many biographies did it start with?

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.*

Cindy plans on riding her scooter for 50 miles during her spring break. So far, she has gone 27 miles. How many miles does she have left to ride?

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.*

Raphael earns $64,899 a year. He purchased a snowmobile for $12,364. How much of Raphael's yearly earnings does he have left?

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.*

A school collected 9,354 cans of soup for a local charity. It also collected 11,348 cans of vegetables. How many cans were collected altogether?

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.*

According to Jacob's Netflix account, he has watched 423 movies. Jordyn has watched 263 movies on Netflix. How many more movies has Jacob watched than Jordyn?

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.*

Frances has saved up a total of $124 for a new skateboard. She sold 6 of her paintings for $16 each. Does she have enough? How much more money does she need?

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.*

Jordyn wants to put plastic butterflies around her bedroom. She bought 4 packages with 42 butterflies per pack. How many butterflies did she buy in all?

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.*

Stephen has a collection of 112 Pokemon cards. He arranges them into 7 equal piles. How many cards are in each pile?

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.*

Admission to the carnival costs $13 for an adult and $7 for children. How much does it cost for a family with two parents and 4 children to go to the carnival?

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.*

There are 27 students in a class. All of the students, except 3, went on a field trip to go roller skating. What is the total cost if each student who went roller skating paid $6?

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.*

Monica has 84 pieces of sea glass. That is 3 times as many pieces as Richard has. How many pieces of sea glass does Richard have?

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.*

Esteban bought a cover for his motorcycle. The cover measures 48 inches by 72 inches. What is the area of the cover in square inches?

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.*

Paola borrowed $70 from her mom. Every week she pays her back $14. How much money does Paola still owe her mom after 4 weeks?

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.*

A pack of toilet paper contains 6 rolls. Stephanie had 14 packs, then gave 3 rolls away. How many rolls of toilet paper does Stephanie have left?

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.*

Old Town Mexican Cafe can make 130 tortillas and 46 bags of chips every hour. How much of each can they make in 3 hours?

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.*