

**Grade 1 Advanced/Gifted and Talented Mathematics**  
**“Oh, The Places You’ll Go:” A Unit in Operations and Algebraic Thinking**  
**Lesson Seed 6: *A Fundraising We Will Go***

**Domain:** Operations and Algebraic Thinking

**Standard: 2.OA.A.1** Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.

**Purpose/Big Idea:** Make sense of quantity and be able to compare numbers  
Take apart and combine numbers

**Materials:**

- Counters, connecting cubes, beans, three-hundred chart, Digi-blocks, number lines, base-ten blocks, and virtual manipulatives (if available)
- Resource Sheet 1: A Walk for the Paws (one copy for teacher to display on overhead or document camera, or one copy per student)
- Calculators to double check answer (optional, one per student)
- Math journals (optional)

**Activity:**

- Introduce the task by talking about fundraisers. Ask students if they know what a fundraiser is.
- Allow students to share whether or not they have any pets in the house. Ask how many students have dogs.
- Display the Resource Sheet *Walk for the Paws*, or distribute a copy to each student.
- Read the problem aloud with the students. You may want to create a list on the board of information that students believe will be helpful in finding a solution to this problem.
- Allow students to solve the problem individually or with a partner.
- Students can use manipulatives to solve the problem.

Bring the class together to discuss various strategies.

**Guiding Questions:**

- What strategies did you use to begin to find a solution to the problem? Did drawing pictures help you? Did you use a guess and check strategy?
- Can you find a second way to solve the problem?
- How can the manipulatives help with decomposing the numbers?
- What do you notice about the number of legs and how that helped you in finding a solution?



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## Walk for the Paws

The Maryland Animal Shelter holds a “Walk for the Paws” event every year to raise money for dog care and adoptions. People sign up to walk three miles and may bring their dogs with them.

The cost is \$10 per person and \$5 per dog. Every walker gets a “Walk for the Paws” shirt (for people) or a collar (for dogs). This year’s event was a big success.

At the finish line, De Shawn and Jill are helping count participants. De Shawn is told to count each person and each dog. Jill is told to count the number of legs that cross the finish line. When everyone has finished, Evan has counted a total of 25 people and dogs, and Jill has counted 60 legs. (Assume that each person had two legs and each dog had four legs.)

1. How many people participated in the Walk for the Paws?
2. How many dogs participated in the Walk for the Paws?
3. How much money did the Maryland Animal Shelter raise from this event?
4. How could next year’s “Walk for the Paws” raise \$300?

Record your answers in your math journal or on the back of this paper. Be sure to show your work!

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

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