

# Mathematics

Activity Book 2

## Math Problem-Solving

Teacher Edition

GRADES 5-6

Book **2**



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**Strategy: Guess and Check**

**Strand: Number**

1. Sandy has exactly \$3.00 in dimes and quarters. She has twice as many quarters as dimes.

How many of each does she have?

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**Strategy: Guess and Check**

**Strand: Number**

2. I am a two digit number. I am less than 40 and I am exactly divisible by 3 and 10. Guess and check to discover what number I am.

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**Strategy: Guess and Check**

**Strand: Number**

3. Mark washed cars on the weekend to raise money for a charity. For every two door car he washed he was paid \$3 and for every four door car he received \$5.

He washed a total of 17 cars and made \$73 for the charity.

How many of each type of car did Mark wash?

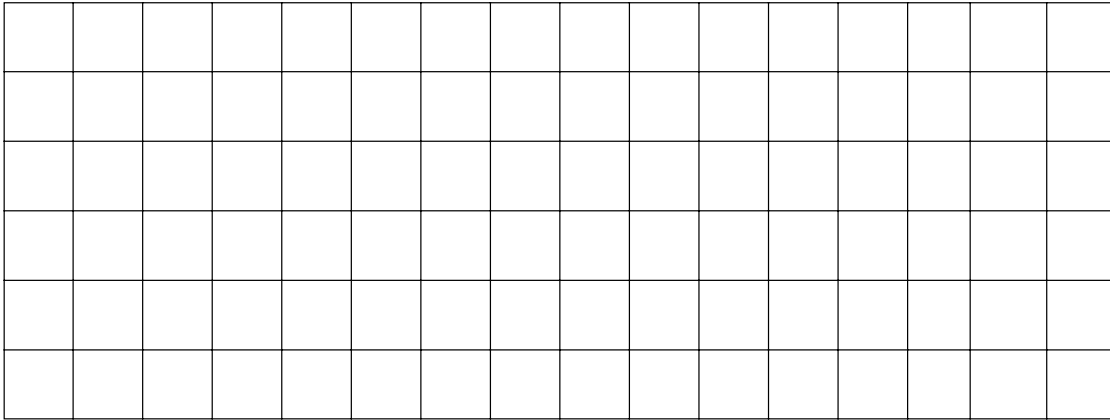
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**Strategy: Guess and Check**

**Strand: Measurement**

4. There are two rectangles whose perimeters are the same as their area. Find both rectangles. Show them on the grid below.  
 (Hint: Use centimeter grid paper to draw different rectangles until you find the answer.)



**Strategy: Guess and Check**

**Strand: Measurement**

5. How can you arrange five squares, each with sides of 1 centimeter, to make a perimeter of 12 centimeters? Draw your answer below.  
 (Include all solutions.)



**Strategy: Guess and Check**

**Strand: Measurement**

6. You have two jugs marked 3 L and 7 L. They have no other markings. How would you use the two jugs to measure 4 L of water, exactly? Explain what you could do.

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