

**MY Homework****Lesson 10****Problem Solving:  
Estimate or Exact  
Answer****Homework Helper**Need help? [connectED.mcgraw-hill.com](http://connectED.mcgraw-hill.com)

**Tyrone wants to hand out fliers about a sale to each business in his neighborhood. He plans to leave 3 fliers at each shop, and there are 38 shops. About how many fliers will Tyrone need? Is an estimate or exact answer needed?**

**1 Understand****What do you know?**

Tyrone plans to leave 3 fliers at each shop. There are 38 shops.

**What do you need to find?**

I need to find about how many fliers Tyrone needs.

**2 Plan**

The question asks *about* how many fliers are needed. The word *about* means an exact answer is not necessary. The question is asking for an estimate. I will round 38 and multiply.

**3 Solve**

$$\begin{array}{r} 38 \quad \text{rounds to} \quad 40 \\ \times 3 \\ \hline \end{array} \qquad \begin{array}{r} \times 3 \\ \hline 120 \end{array}$$

So, Tyrone needs about 120 fliers.

**4 Check**

I will check by comparing the exact answer to the estimate.

$$38 \times 3 = (30 \times 3) + (8 \times 3) = 114$$

114 is close to the estimate, 120, so the answer is reasonable.



# Problem Solving

**Determine whether each problem requires an estimate or exact answer. Then solve.**

1. Jeff is having a dinner party. He has a large rectangular table that seats 10 people on each long side and 4 people on the two ends. How many people can sit at Jeff's table?  

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2. Brittany borrowed 3 movies from the library. Each movie is almost 2 hours long. About how many hours of movies does Brittany have to watch?  

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3. Matt is running the family fun fair at school. He collected about \$65 in donations each month for the 7 months he was planning the fair. About how much money does Matt have to spend for the fair?  

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4. Fatima works at a bakery. She places 5 candied flowers on top of each cupcake she decorates. She will decorate 4 dozen cupcakes today. How many candied flowers will Fatima use today?  
(Hint: 1 dozen = 12)  

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5. It takes Kayla 12 minutes to walk from her house to her grandparents' house. She walks to and from their house twice a week. About how many minutes each week does Kayla spend walking between the two houses?  

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6. **Mathematical PRACTICE**  **Use Number Sense** A haiku is a poem with exactly 3 lines. If each of the 26 students in Mr. Kopp's class writes a haiku, how many lines of poetry does the class write in all?  

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My Work!