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## What's the Problem?

The Whizzer Wheel at the amusement park has 12 cars. It holds 8 people in each car. However, Jeremy noticed that 5 out of 8 seats in each car were empty.

**How many seats were empty?**

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**How many seats were occupied?**

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**Complete the table below to answer the questions.**

### REMINDER

Creating a table helps you organize the information.

Follow these steps:

1. Work in order and list all combinations.
2. Keep one item the same while others change.
3. Fill in any gaps.
4. Record the solution so it is easy to understand.

## Work It Out

Car	Empty Seats	Occupied Seats
1st car	5	
Total		

## How I Solved the Problem





### What's the Problem?

### Work It Out

James played 5 basketball games for his local team. He made 11 shots worth 3 points, 27 shots worth 2 points each, and made 13 foul shots worth 1 point each.

**How many points did he score over the five games?**

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### What's the Problem?

### Work It Out

James wanted to compute his scoring average over 9 games. He scored these points in his 9 games: 23 points, 10 points, 12 points, 14 points, 6 points, 20 points, 10 points, 17 points, and 5 points.

**What was his average number of points per game?**

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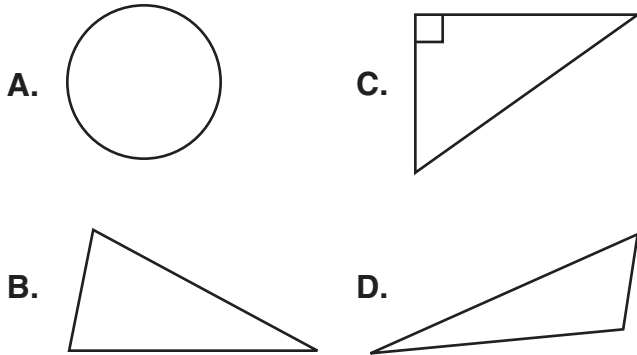


## What's the Problem?

## Work It Out

George lives in an unusual house. There are no right angles on the outside of the house. There are 3 sides to the house. Two of the sides are the same length.

Which picture could be an outline of his house? (Circle the letter next to the correct answer.)



## What's the Problem?

## Work It Out

Donna's family just moved into a house that has 5 equal sides.

What is the name of the shape of her house? (Circle the letter next to the correct answer.)

- A. square
- B. regular pentagon
- C. equilateral triangle
- D. hexagon



## What's the Problem?

## Work It Out

Jan measured the approximate length and height of objects at their school with yardsticks and meter sticks. She recorded the approximate measurements.

**Use a yardstick or meter stick to measure the objects listed below and others in your classroom, lunchroom, stage, gardens, and playground areas. Compare your results with those collected by Jan.**

Objects	Jan's Results	Your Results
small car	4 to 5 yards or meters	
pickup truck	6 yards or meters	
height of the classroom	4 yards or meters	
length of patio	5 to 6 yards or meters	
height of tallest 6th-grader	2 yards or meters	
length of school bus	15 yards or meters	



## What's the Problem?

## Work It Out

How tall are the objects in your classroom?

**For each object listed below, make a guess. Then, using a yardstick or meter stick, take the actual measurement. Add 2 classroom objects of your own to the list.**

Object	Estimated Height	Actual Height
your desk		
teacher's desk		
pencil sharpener		
chalkboard or whiteboard		