

Ask Yourself

Should I start with the longest piece or the shortest piece?

Hint Try using different numbers of pieces in each guess.

- 4 In the game *StopGap*, you put together lengths of pipe in order to fill a gap in the pipeline. In this round, the gap is 95 feet long and you have the 6 pieces shown in the table. Which of the pieces can you use to fill the gap exactly?

Your 6 Pipe Pieces	
5 feet	25 feet
10 feet	43 feet
15 feet	75 feet

Guess	Pipe Lengths (feet)	Total	Is Total 95?
1	75 + 10 + 5		
2			

Answer _____

Determine Which length of pipe *cannot* be used? Explain.

Ask Yourself

How many more points does Faye need to win?

Hint Start by determining the value of 5 hard questions and 5 easy questions.

- 5 Faye has earned 399 points on a quiz show. She needs exactly 500 points to win. Easy questions are worth 12 points, medium questions are 25 points, and hard questions are 40 points. How can Faye win the game by answering 5 questions correctly?

Guess	Easy	Medium	Hard	Total Points = 500?
1				
2				

Answer _____

Analyze How can you explain the importance of checking your work before making another guess?