



Cupid's target practice

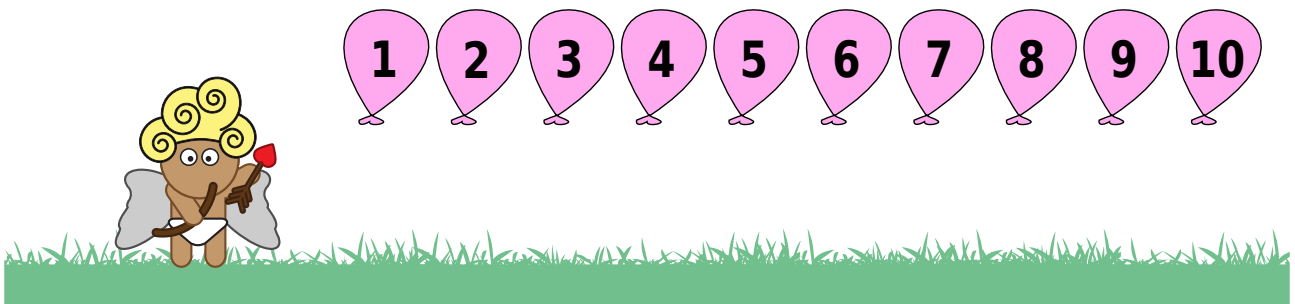


Cupid is practising using his bow and arrow. There are ten balloons placed in a line, numbered 1 to 10 from left to right.

Cupid's friend Venus randomly picks a balloon for Cupid to pop with an arrow. However, Venus does not tell Cupid which balloon she chose.

When Cupid pops a balloon with an arrow, he is told by Venus if he has hit the balloon she chose. If he misses it, he is told if Venus' chosen balloon comes before or after the balloon he just hit in the line.

Cupid has perfect aim and always hits the balloon he aims for.



QUESTION

What is the minimum number of arrows Cupid needs to always hit Venus' chosen balloon, no matter which one she chooses?

- A. 4 arrows
- B. 5 arrows
- C. 6 arrows
- D. 10 arrows

