



Long ago, there lived a wealthy king who lived in a huge castle on an island in the middle of a spectacular blue lake.



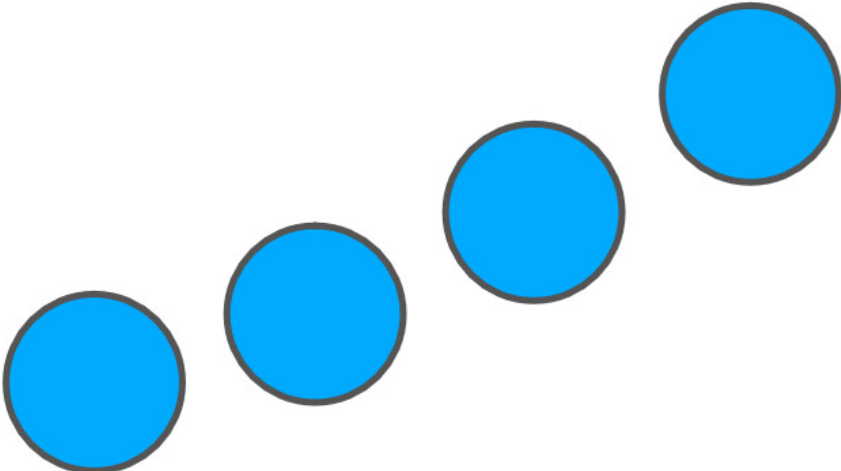
He had one beautiful daughter who many Princes from nearby kingdoms wanted to marry.



So he set them a challenge. He built 10 stepping stones from the edge of the lake to his castle and said, "The man who wins my daughter will be the man who can get to the castle in equal jumps across the stepping stones."



Prince



Prince



- 10
- 9
- 8
- 7
- 6
- 5
- 4
- 3
- 2
- 1
- Start

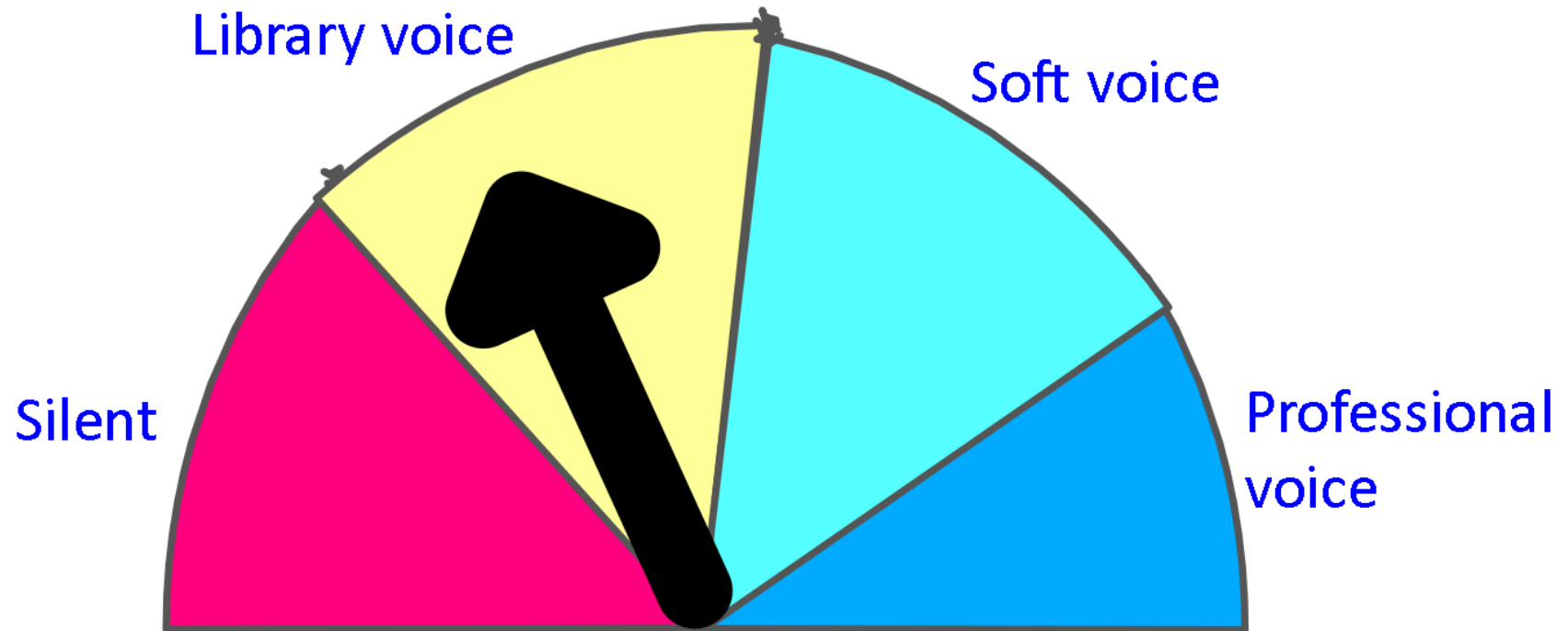
Working together in pairs

Good ways

Not good ways

Volume

In pairs



What am I looking for?

A solution to the Prince's problem.

Smart thinking.

A solution that is clearly laid out
on the page.

Let's recap what you're about to do.

1. Find all the different ways the Prince can get across.

2. Write your answers down in a clear and organised way.

5 Minutes
Library voices

Finished early?

Ask yourself the following:

1. When solving the problem where did you start? Then what did you try?
2. Have you found all the different ways to get to the castle? How do you know?
3. How did you decide to show your solution? Is it easy to read?
4. Can you do anything to improve it now?

Stage Two

The wily old King, being a bit of an adventurer and not wanting to give his daughter away too easily, added a final part to the challenge.



He said to the Princes, "What if there were only 2 stepping stones, what jumps could you make then? And if there were 3...4...5...6...7...up to 12 stepping stones, what equal jumps would you make?"

"The Prince who can tell me the answer to all these problems will win my daughter's hand."

Let's recap what you're about to do.

1. Find all the new different ways the Prince can get across.

2. Write your answers down in a clear and organised way.

10 Minutes
Library voices

Discuss in fours

How did you solve it? Anything you notice?

Were you thinking smartly as you solved the problem?

How do you know you found all the different ways?
How did you record this information?

What went well?

How did you work together? What would you do differently next time?