Spinner: Is It Fair?

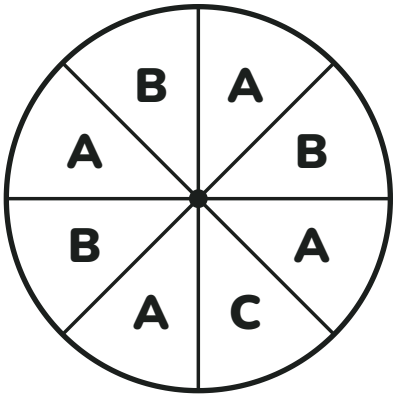
Name _____ Date _____

Probability · Grades 3–5

Work out what should happen, then compare it with what really happened.

1 Predict + Record | 2 Tally | 3 Graph | **4 Is It Fair?**

A Look at the spinner



A is on ____ of the 8 parts.

B is on ____ of the 8 parts.

C is on ____ of the 8 parts.

Write the chance word for each:

impossible · unlikely · equally likely · likely · certain

landing on C _____

landing on A (4 of 8 parts) _____

landing on A, B or C _____

landing on D _____

B What should happen in 40 spins?

A: about ____ times B: about ____ times C: about ____ times

Look at your tally. Which letter was closest to what should happen? _____

C Is it fair?

1. You win on A. Your friend wins on B or C. **fair** **not fair**

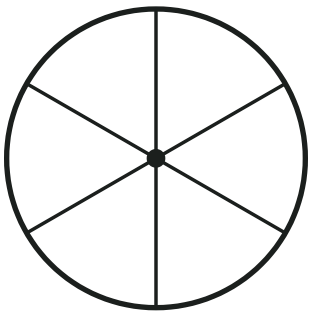
   Why? _____

2. You win on B. Your friend wins on A. **fair** **not fair**

   Why? _____

3. Make a fair spinner for two players.

Write 1 or 2 in every part so player 1 and player 2 have the same chance.



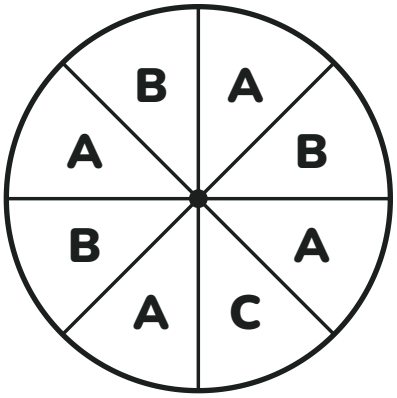
Spinner: Is It Fair? (Key)

Probability · Grades 3–5

Sheets 1 to 3 are the child's own results (the totals should add to 40).

1 Predict + Record | 2 Tally | 3 Graph | **4 Is It Fair?**

A Look at the spinner



A is on **4** of the 8 parts.

B is on **3** of the 8 parts.

C is on **1** of the 8 parts.

Write the chance word for each:

impossible · unlikely · equally likely · likely · certain

landing on C: **unlikely**

landing on A (4 of 8 parts): **equally likely**

landing on A, B or C: **certain**

landing on D: **impossible**

B What should happen in 40 spins?

A: about **20** times B: about **15** times C: about **5** times

Look at your tally. Which letter was closest to what should happen? _____

C Is it fair?

1. You win on A. Your friend wins on B or C. (**fair**) **not fair**

   Why? **4 parts to 4 parts**

2. You win on B. Your friend wins on A. **fair** (**not fair**)

   Why? **3 parts to 4 parts**

3. Make a fair spinner for two players.

Write 1 or 2 in every part so player 1 and player 2 have the same chance.

Any 3 parts of 1 and 3 parts of 2.

