The Unit Fraction Game

You need \star a dice labelled $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{1}{8}$, $1 \star$ a dice labelled $+\frac{1}{2}$, $+\frac{1}{4}$, +1, \times 2, \times 3, \times 5 \star a classmate



Game

Here is a game that you can play with a classmate to help you improve your fractions skills.

One dice gives you a number; the other dice gives you an operation. One person is "overs"; the other is "unders". Players take turns to throw the dice.

Play six rounds of the game with a classmate:

- Throw the two dice.
- Carry out the operation on the number. Tell your classmate your answer.



SCORING

On your turn:

- If you are the "unders" player, you get a point for an answer less than 1.
- If you are the "overs" player, you get a point for an answer greater than 1.
- You get 2 points when the answer equals 1.
- You get no points for a wrong answer.

Keep the score on a sheet of paper.

The first person to reach 10 points wins the round.









x 5

Activity

Juanita plays the Unit Fraction Game with Tama. She loses three rounds in a row. She thinks that the game may not be fair.

- What does "not fair" mean? 1.)
- 2. What might losing three rounds in a row show?
- Based on the rounds you played, do you agree with Juanita? Explain.
- With a classmate, find a way of showing that the game is or is
 - Write your findings down, along with an explanation of how you reached them.





Focus

Comparing experimental results with expectations