

Sample space and spinners

NAMES _____

CLASS _____

Part A · Our spinner

Shade your template first, then fill this in.

SECTIONS ALTOGETHER

SECTIONS SHADED

DRAW YOUR SHADED SPINNER

The probability of landing on SHADED

FRACTION

DECIMAL

PERCENTAGE

Part B · Now spin it twenty times

Tally a tick every time it lands on shaded.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

It landed on shaded _____ times out of 20. As a fraction: _____

THE BIG QUESTION — do not answer it yet

Your answer in Part B is probably not the same as your answer in Part A.

Why not? Write your best idea on the class chart.

Sample space and spinners

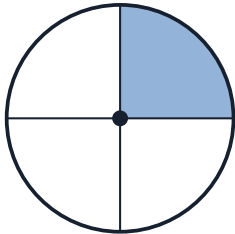
Part C · Show your thinking

Use the boxes. Working is part of the answer.

SF

1. A spinner has 4 equal sections. 1 section is shaded.

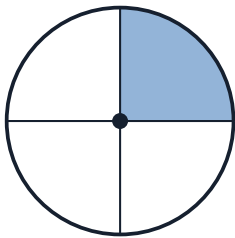
Write the probability of landing on shaded three ways.



SF

2. The same spinner.

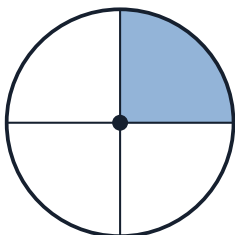
What is the probability of landing on a section that is NOT shaded?



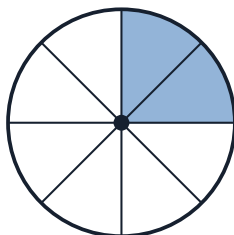
CF

3. Here are two spinners.

Which one gives a better chance of landing on shaded? How do you know?



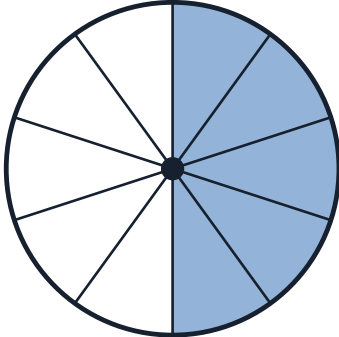
SPINNER P



SPINNER Q

Exit ticket

Hand this in at the end of the lesson.



This is Maya's spinner.

It has 10 equal sections.

5 of them are shaded.

Maya spun it 10 times.

It landed on shaded 8 times.

1. What is the probability of landing on shaded?

Write it as a fraction, a decimal and a percentage.

FRACTION

DECIMAL

PERCENTAGE

2. Maya says "the probability of shaded is 8 out of 10, because that is what I spun."

Is Maya right? Explain your answer.

3. Draw a spinner with a DIFFERENT number of sections that has the same probability of shaded as Maya's.