Name _____ **Date** _____

Probability Outcomes Using Fractions (A)

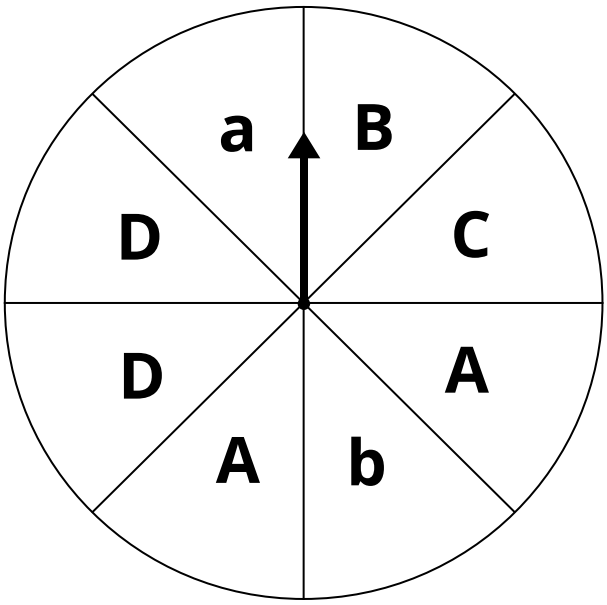
(1) a) What is the chance, as a fraction, of the spinner landing on:

i) B or b? _____

ii) A or a? _____

iii) C? _____

iv) D? _____



b) What is the chance of the spinner not landing on:

i) b or B? _____

ii) C? _____

c) What is the chance of the spinner landing on:

i) a capital letter? _____

ii) a lower case letter? _____

d) What is the chance of the spinner landing on a vowel? _____

---

(2) Colour the rectangles to represent the probability shown.

a) $\frac{1}{3}$ chance of blue

b) $\frac{1}{3}$ chance of green

c) $\frac{1}{6}$ chance of red

d) $\frac{2}{12}$ chance of yellow

Name _____ **Date** _____

Probability Outcomes Using Fractions (B)

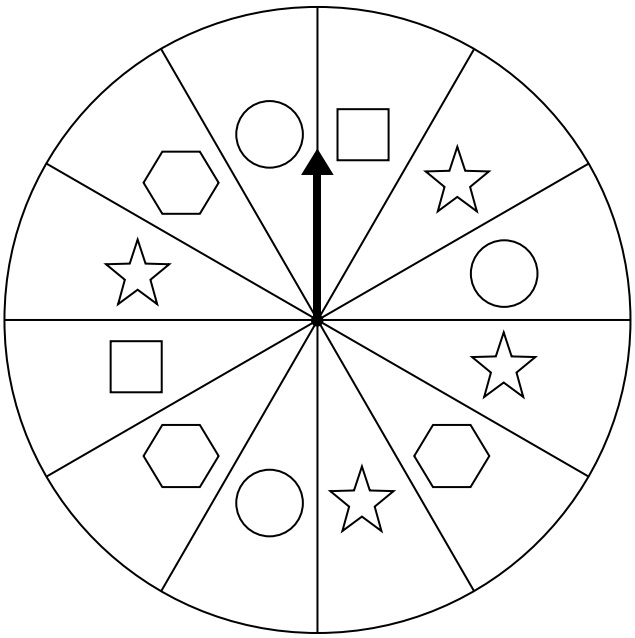
1 a) What is the chance, as a fraction, of the spinner landing on:

i) a star? _____

ii) a square? _____

iii) a circle? _____

iv) a hexagon? _____



b) What is the chance of the spinner not landing on:

i) a circle? _____

ii) a star? _____

iii) a square? _____

iv) a hexagon? _____

c) Which shape has the highest likelihood of being landed on by the spinner?

_____

d) Which shape has the least likelihood of being landed on by the spinner?

_____

---

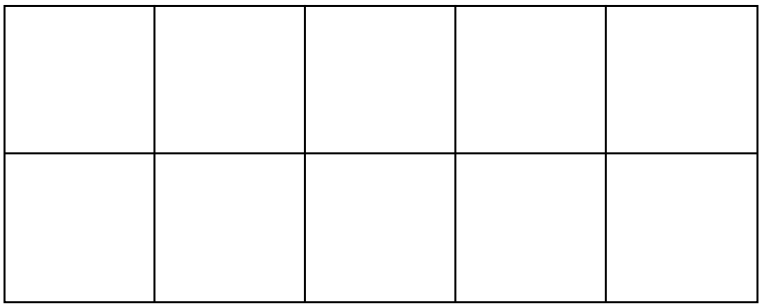
2 Colour the rectangles to represent the probability shown.

a) $\frac{1}{10}$ chance of purple

b) $\frac{2}{5}$ chance of pink

c) $\frac{3}{10}$ chance of orange

d) $\frac{1}{5}$ chance of green



Probability Outcomes Using Fractions (A) - Answers

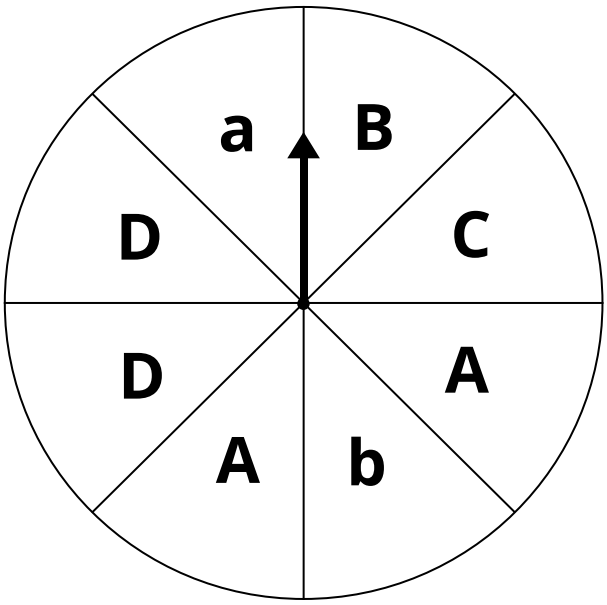
1 a) What is the chance, as a fraction, of the spinner landing on:

i) B or b? $\frac{2}{8}$

ii) A or a? $\frac{3}{8}$

iii) C? $\frac{1}{8}$

iv) D? $\frac{2}{8}$



b) What is the chance of the spinner not landing on:

i) b or B? $\frac{6}{8}$

ii) C? $\frac{7}{8}$

c) What is the chance of the spinner landing on:

i) a capital letter? $\frac{6}{8}$

ii) a lower case letter? $\frac{2}{8}$

d) What is the chance of the spinner landing on a vowel? $\frac{3}{8}$

---

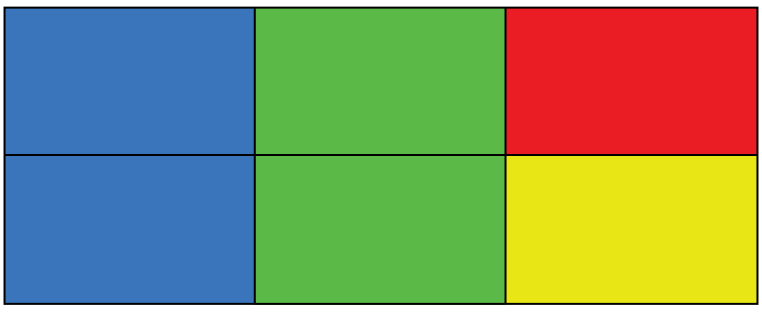
2 Colour the rectangles to represent the probability shown.

a) $\frac{1}{3}$ chance of blue

b) $\frac{1}{3}$ chance of green

c) $\frac{1}{6}$ chance of red

d) $\frac{2}{12}$ chance of yellow



Probability Outcomes Using Fractions (B) - Answers

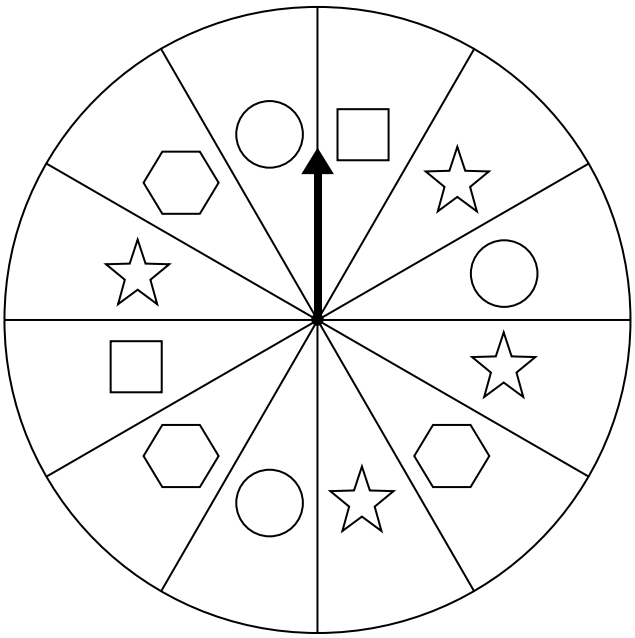
1 a) What is the chance, as a fraction, of the spinner landing on:

i) a star? $\frac{4}{12}$

ii) a square? $\frac{2}{12}$

iii) a circle? $\frac{3}{12}$

iv) a hexagon? $\frac{3}{12}$



b) What is the chance of the spinner not landing on:

i) a circle? $\frac{9}{12}$

ii) a star? $\frac{8}{12}$

iii) a square? $\frac{10}{12}$

iv) a hexagon? $\frac{9}{12}$

c) Which shape has the highest likelihood of being landed on by the spinner?

star

d) Which shape has the least likelihood of being landed on by the spinner?

square

---

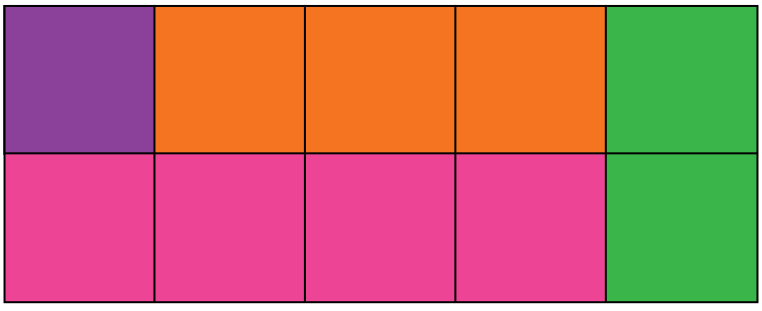
2 Colour the rectangles to represent the probability shown.

a) $\frac{1}{10}$ chance of purple

b) $\frac{2}{5}$ chance of pink

c) $\frac{3}{10}$ chance of orange

d) $\frac{1}{5}$ chance of green

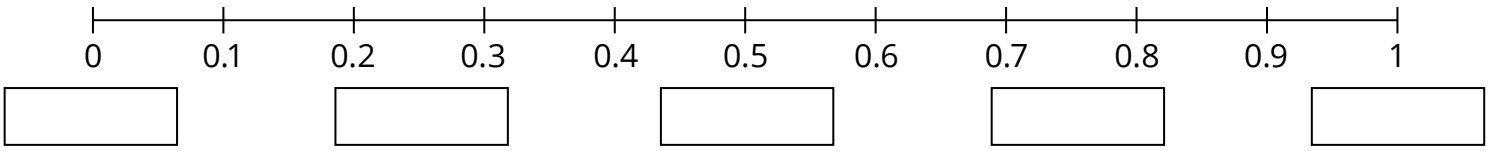


Name _____ Date _____

Probability Range 0-1 (A)

1. Write these likelihoods in the correct box under the probability scale.

even chance, likely, impossible, certain, unlikely



2. Using the probability scale, rate the likelihood of these events occuring.

a) Tuesday will come after Monday next week. _____

b) Everyone in our class will be at school tomorrow. _____

c) There will be 35 days next December. _____

d) A tossed coin lands on tails. _____

e) It will snow in Summer. _____

3. Answer true or false.

a) There is an unlikely chance of the spinner landing on A.

_____

b) There is an even chance of the spinner landing on B.

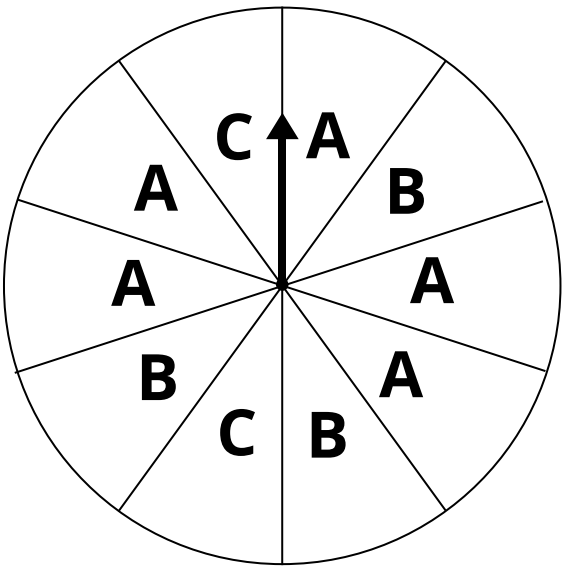
_____

c) There is an impossible chance of the spinner landing on E.

_____

d) There is a certain chance of the spinner landing on A.

_____

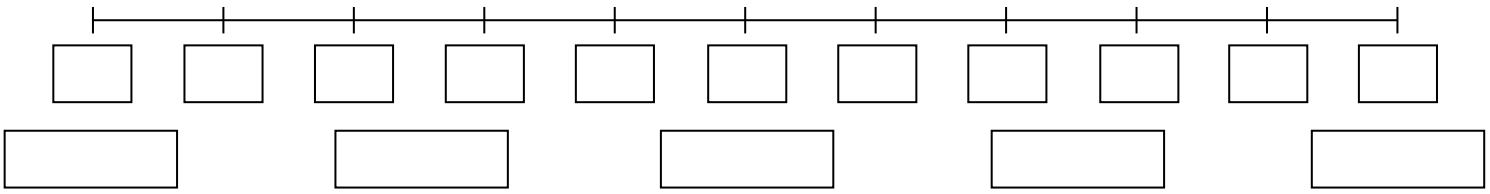


Name _____ **Date** _____

Probability Range 0-1 (B)

1. Write these values and likelihoods in the correct boxes on the probability scale.

0, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1, even chance, likely, impossible, certain, unlikely



2. Write an event to match each likelihood.

a) certain _____

b) likely _____

c) even chance _____

d) unlikely _____

e) impossible _____

3. Fill in the spinner to reflect the likelihoods provided.

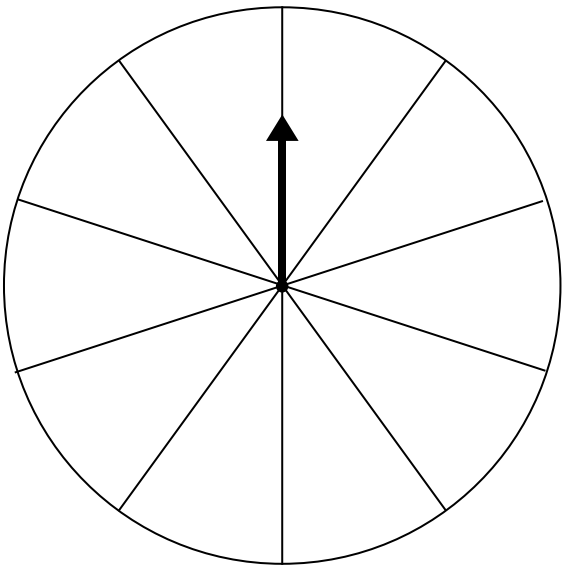
a) An even chance of the spinner landing on a 3.

b) An unlikely chance of the spinner landing on a 6.

c) A 1 in 10 chance of the spinner landing on a 1.

c) A 2 in 10 chance of the spinner landing on a 2.

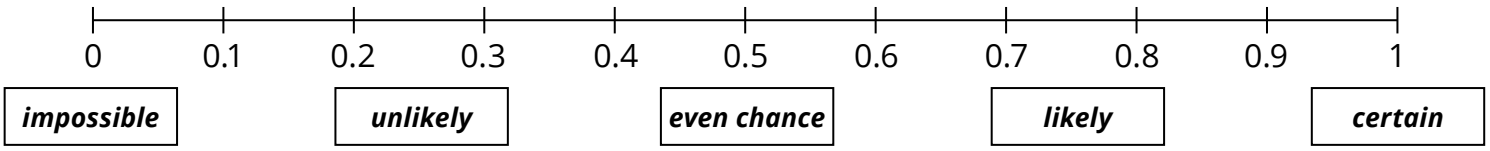
d) An impossible chance of the spinner landing on a 4.



Probability Range 0-1 (A) - Answers

1. Write these likelihoods in the correct box under the probability scale.

even chance, likely, impossible, certain, unlikely



impossible	unlikely	even chance	likely	certain

2. Using the probability scale, rate the likelihood of these events occuring. (Suggested answers)

a) Tuesday will come after Monday next week. ***certain***

b) Everyone in our class will be at school tomorrow. ***even chance***

c) There will be 35 days next December. ***impossible***

d) A tossed coin lands on tails. ***even chance***

e) It will snow in Summer. ***unlikely***

3. Answer true or false.

a) There is an unlikely chance of the spinner landing on A.

false

b) There is an even chance of the spinner landing on B.

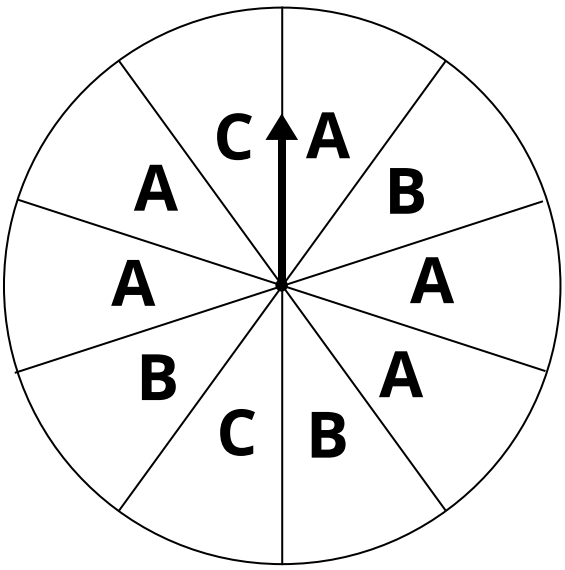
false

c) There is an impossible chance of the spinner landing on E.

true

d) There is a certain chance of the spinner landing on A.

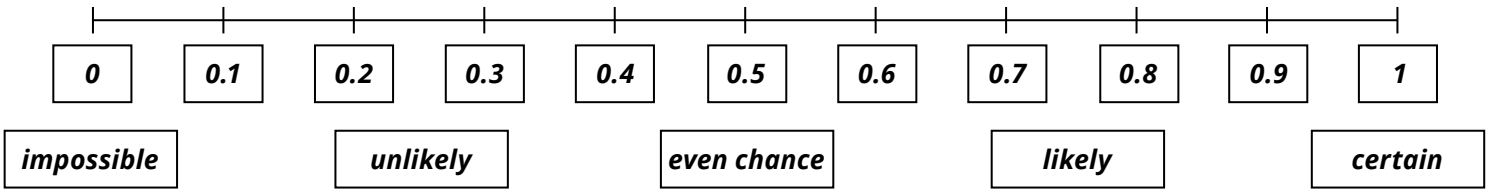
false



Probability Range 0-1 (B) - Answers

1. Write these values and likelihoods in the correct boxes on the probability scale.

0, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1, even chance, likely, impossible, certain, unlikely



2. Write an event to match each likelihood. ***(Answers will vary)***

a) certain _____

b) likely _____

c) even chance _____

d) unlikely _____

e) impossible _____

3. Fill in the spinner to reflect the likelihoods provided.

a) An even chance of the spinner landing on a 3.

b) An unlikely chance of the spinner landing on a 6.

c) A 1 in 10 chance of the spinner landing on a 1.

c) A 2 in 10 chance of the spinner landing on a 2.

d) An impossible chance of the spinner landing on a 4.