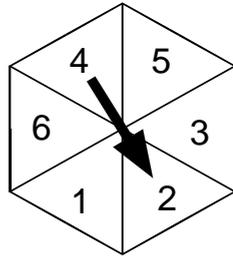


**Probability**

Name \_\_\_\_\_

Date \_\_\_\_\_

1. You can spin any number from 1 to 6 on this spinner.

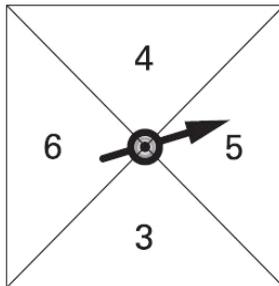


Write a number that is **impossible** to spin.



1 mark

2. Geeta has this spinner.



What is her chance of spinning the numbers in the boxes below?  
Match each box to the correct word.

One has been done for you.



an odd number

certain

2

impossible

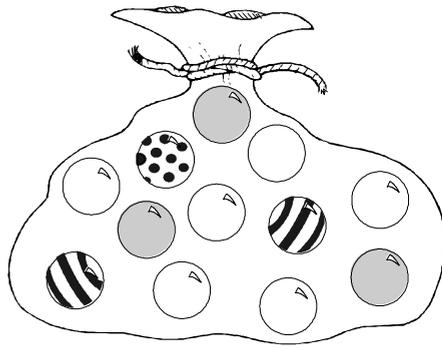
a number  
less than 10

even chance

likely

1 mark

3.



Key	
	striped
	spotty
	white
	grey

These marbles are hidden in a bag. The bag is shaken.

Pete pulls out one marble without looking.

(a) Which kind of marble is Pete most likely to pull out? \_\_\_\_\_

1 mark

(b) Explain how you know.

.....

.....

.....

1 mark

4. Sapna makes up a game using seven cards.

Here are the cards.



Josh picks a card without looking.

If Josh picks an **even** number then Josh scores a point.

Is this a fair game?

Circle Yes or No.

 Yes / No

Explain how you know.



.....

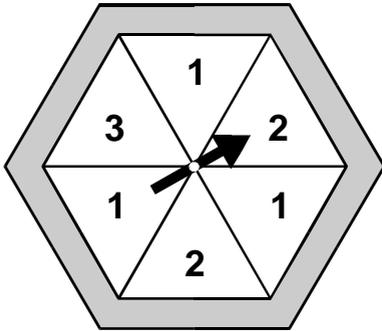
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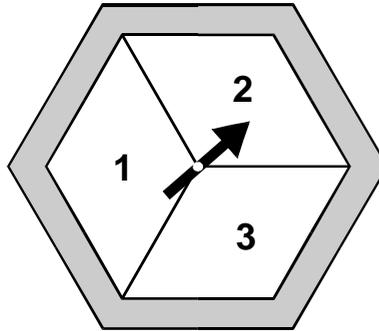
1 mark

5. Here are two spinners, A and B.

Each one is a regular hexagon.



**A**



**B**

For each statement, put a **tick** (✓) if it is **true**.

Put a **cross** (✗) if it is **not true**.



Scoring '1' is **more likely** on A than on B.

Scoring '2' is **more likely** on A than on B.

Scoring '3' is **as equally likely** on A as on B.

1 mark

Zara spins both spinners.

The score on A is added to the score on B.

She says,

***'The sum of the scores on both spinners is certain to be less than 7'.***

Is she correct?

Circle Yes or No.



**Yes / No**

Explain how you know.



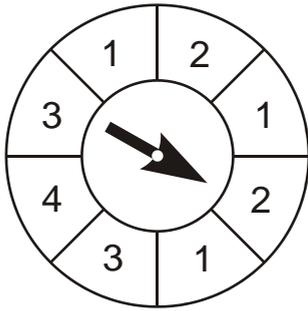
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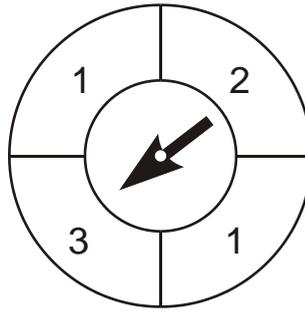
.....

1 mark

6. Lee has two spinners.



A



B

What is the probability of spinning a 4 on **spinner A**?

Write your answer as a fraction.

1 mark

On which spinner is he **more likely** to get a 1?

Give a reason for your answer.



.....  
.....  
.....

1 mark

Lee says,

***'I am equally likely to get a 2 on spinner A as on spinner B'.***

Explain why he is correct.



.....  
.....  
.....

1 mark