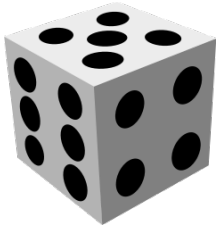
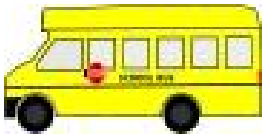
# Chance Cards

| | | |
|---|---|---|
| The Lotto numbers 1, 2, 3, 4, 5, 6 will win on Saturday | You toss a 6-sided die and it **doesn't** land on 2 | You toss a normal 6-sided dice and it lands on 8 |
| You toss two coins -one lands on heads, one lands on tails | You will buy a puppy this afternoon | You will see the sun here at midnight tonight |
| You will walk to school tomorrow | You will eat bacon and eggs for breakfast tomorrow | You toss a 6-sided dice and it lands on 1, 3 or 5  |
| You will receive a book for your next birthday | It will rain in the next week | You will travel to school by bus tomorrow  |

Sun at midnight: http://www.flickr.com/photos/johnnymyrenghenriksen/
Walk to school: http://www.flickr.com/photos/mobikefed/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| | | |
|---|---|---|
| You will find a $10 note tomorrow | You will go on a holiday to Bali next year | You will find a dinosaur bone in your garden |
| You will wash your hair tomorrow morning | You will buy a dress tomorrow | You will eat a sandwich for lunch tomorrow |
| Friday is always the day after Thursday | Your favourite football team will win its next game | A cat can learn to read |
| You could count backwards by 2's from 100 in 10 seconds<br>…92,90,88,86… | Your eyes will be the same colour tomorrow | The numbers 7, 9, 12, 14, 17 and 25 will win Lotto on Saturday |

$10 note: http://www.flickr.com/photos/59937401@N07/
Bali holiday: http://farm1.staticflickr.com/25/53134795_16f7193e6a_s.jpg
Dinosaur bone: http://farm4.staticflickr.com/3293/2860060700_a8ebd368f6_s.jpg
Football team: http://farm4.staticflickr.com/3219/2766894983_5f16557951_s.jpg


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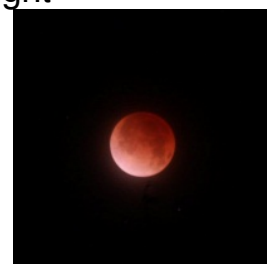
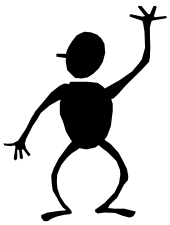
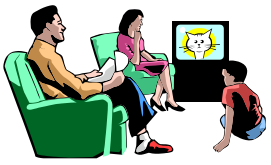
| | | |
|---|---|---|
| You will eat fast-food tomorrow | You will see a live crocodile in the next week | The moon will be red tonight  |
| Your hair will be the same colour tomorrow | You will see a wild bear tomorrow | You will see snow on your next holiday |
| You will see fireworks on New Year's Eve | Pigs can fly | You can touch your left elbow with your left hand  |
| Your best friends will sleep-over tonight | You will receive a school award this week | You will be allowed to watch television tonight  |

Pigs can fly: http://farm4.staticflickr.com/3473/3801995837_e116312374.jpg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# **Chance Cards 1:** Student Worksheet

Name _____ Year _____ Date _____

1. Look at the cards. What is the chance of each of these events happening? Write the words that you would use to describe the chance of the events happening.

_____

_____

_____

2. Now sort the cards into two groups. Which events are **possible** to happen and which are **impossible** to happen?

| **Possible** | **Impossible** |
| --- | --- |
| | |


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3. Take the cards you decided are **possible** to happen and sort these into those that are **certain** to happen and **uncertain** to happen.

| **Certain** | **Uncertain** |
| --- | --- |
| | |

4. Now take the **uncertain** event cards and sort these into two groups to show events that are **likely** to happen and those that are **unlikely** to happen.

| **Likely** | **Unlikely** |
| --- | --- |
| | |

5. Make a note of any events that had equal chance of happening.


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# **Chance Cards 1:** Teacher Recording Sheet

Name _____ Year _____ Date _____

| |
|---|
| 1. What language does the student use to describe the chance of each event happening? |
| 2. Is the student able to sort the cards into possible and impossible? **Y/N**<br>Note the language used to justify the grouping. |
| 3. Is the student able to re-sort the possible cards into certain and uncertain? **Y/N**<br>Note the language used to justify the grouping. |
| 4. Is the student able to re-sort the uncertain cards into likely and unlikely? **Y/N**<br>Note the language used to justify the sorting. |
| 5. Was the student able to accurately identify any events with an equal chance of occurring? **Y/N**<br>Note the reasoning. |


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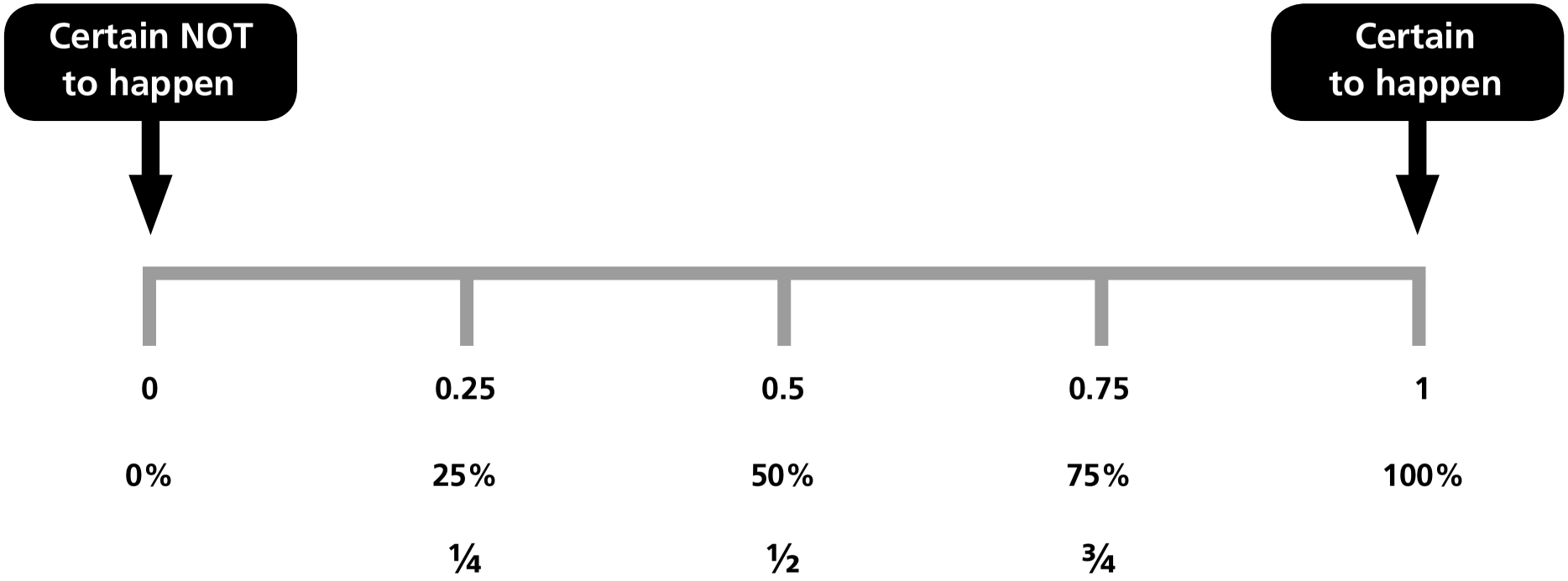
# **Chance Cards 2:** Student Worksheet

## Numerical Scale

Record where each event belongs on this scale.



# **Chance Cards 2:** Student Worksheet

Name _____ Year _____ Date _____

1. Once you have sorted the cards into ‘certain’ and ‘uncertain’ assign each of the ‘certain’ cards a probability.

**0%** **100%**

2. Now assign a probability to three of your ‘uncertain’ cards.

Card 1: _____ probability =

Card 2: _____ probability =

Card 3: _____ probability =

3. How did you work these out?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