

# WorksheetCloud Memo

## Grade 4

### Maths

#### Probability

1. Write down a fraction that shows the probability of each of the following:
  - a. Getting a tail when flipping a coin.  $\frac{1}{2}$
  - b. Rolling a 5 on a normal (six sided) dice.  $\frac{1}{6}$
  - c. Rolling an even number when rolling a normal dice.  $\frac{3}{6} = \frac{1}{2}$
  - d. Drawing the ace of spades from a deck of cards (without jokers).  $\frac{1}{52}$
  - e. Drawing any king when drawing from a deck of cards (without jokers).  $\frac{4}{52} = \frac{1}{13}$
  - f. Drawing a diamond card when drawing from a deck of cards (without jokers).  
 $\frac{13}{52} = \frac{1}{4}$
  - g. Rolling either a 5 or a 6 when rolling a normal dice.  $\frac{2}{6} = \frac{1}{3}$
  - h. Drawing any red card when drawing from a deck of cards (without jokers).  $\frac{26}{52}$   
 $= \frac{1}{2}$
  - i. Drawing a black picture card (Jack, Queen or King) when drawing from a deck of cards (without jokers).  $\frac{6}{52} = \frac{3}{26}$
  - j. Drawing a joker from a deck of cards with 2 jokers in it.  $\frac{2}{54} = \frac{1}{27}$
2. Use the words: impossible, unlikely, even, likely, and certain to describe the following events.
  - a. The probability of you doing this maths worksheet on the moon. **Impossible**
  - b. The probability of you using a pen or a pencil to do this worksheet. **Certain**  
(likely acceptable as there is a chance you may use something different)
  - c. The probability of you waking up before 11am tomorrow. **Likely**
  - d. The probability of you sleeping for 12 hours in a row. **Unlikely**
  - e. The probability of you getting an odd number when rolling a dice. **Even**