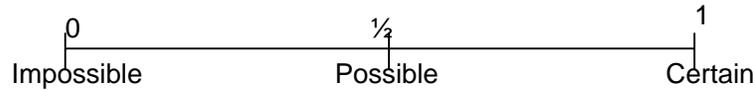


PROBABILITY LINES

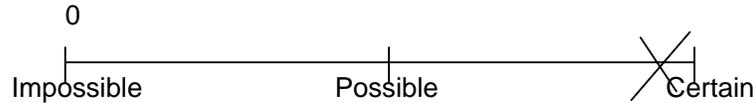
Year 8 mathematics

For each event draw up a probability line like the one below and fill in where you believe the event should be placed.



Eg.

- 1) That all the students in the class have 2 arms. (it is very likely but not quite certain.)



Events

- 2) That the weather tomorrow will be fine and sunny.
- 3) You will hear of a car accident on the news tonight.
- 4) You will go home this afternoon.
- 5) The moon will come crashing into the Earth in the next five minutes.
- 6) Catching a cold next winter.
- 7) Breaking a shoelace next time you tie your shoes.
- 8) Your next telephone call will be a wrong number.
- 9) The person sitting closest to you was born on the same day as you.
- 10) A six faced die will show a number less than eight when tossed.
- 11) A coin tossed in the air will float away.
- 12) All television stations will close at 7p.m. this evening.
- 13) Both polar ice caps will melt tomorrow.
- 14) Food prices will increase in the next ten years.
- 15) More than one person will win the top prize in the next lottery draw.
- 16) A tossed coin will land on a head.
- 17) You choose the number 36 and win on the roulette wheel.
- 18) Out of a bag containing 3 white and 5 red, a red marble is drawn.
- 19) You will hear of a plane accident on the radio.
- 20) All the students will pass their next mathematics exam.
- 21) Your parent's car will not start tomorrow.
- 22) Your dog will eat your homework.
- 23) The next door you try to open will be locked.
- 24) A black cat will cross your path.
- 25) You will have a sandwich for lunch.
- 26) School will be called off due to snow.
- 27) You flick the light switch and the light turns on.
- 28) You touch a flame and it feels cold.
- 29) Your pants will not fit you in three years time.
- 30) Your pen will eventually run out.
- 31) You will be the first person on Mars.
- 32) In the future your calculators will do your homework for you.
- 33) Next year you will become a millionaire
- 34) You will roll a 6,5 or a 4 on a die.
- 35) A double headed coin will show heads.
- 36) The next apple you eat will be a green apple.
- 37) Somebody you know will go to hospital.
- 38) You will have two children of your own when you grow up.
- 39) Genetic engineers can restore dinosaurs to life in the next 20 years.
- 40) Dropped toast will land buttered side down.
- 41) Next time you get change you will get more than you were meant to.
- 42) When you open up a Freddo Frog it will be the wrong way around.
- 43) You will be allowed to go out on a school night.
- 44) You will be married by the age of 30.
- 45) If you throw a cat into the air it will land on its feet.
- 46) Next time you use your computer it will crash.
- 47) The person next to you likes to play soccer.
- 48) When you turn on the t.v. next it will immediately show a commercial.
- 49) When you click on an Internet site. The site will actually have what you are looking for.
- 50) You randomly open the dictionary and find a word beginning with 's'.

Question

If toast always lands buttered side down and a cat always lands on its feet. If you butter the back of a cat and through it off a very tall building, Now what is the likely hood of it landing on its feet?

