

In the story. We show how a Punnett square can be used to calculate the LIKELIHOOD THAT A SUPER-STRONG PERSON LIKE WONDERGUY COULD BE BORN FROM TWO PARENTS. EACH WITH A RECESSIVE STRENGTH GENE. LET'S LOOK AT DIFFERENT SCENARIOS. REMEMBER HOW DOMINANT AND RECESSIVE TRAITS WORK:

TT	Shows Dominant Trait
Tt	SHOWS DOMINANT TRAIT
tt	Shows Recessive Trait

1) SUPPOSE ONE PARENT IS SUPER-CARRY THE RECESSIVE GENE (TT).



2) SUPPOSE ONE PARENT IS SUPER-STRONG (tt) AND THE OTHER DOES NOT STRONG (tt) AND THE OTHER DOES CARRY THE RECESSIVE GENE (Tt).



The probability that their offspring The probability that their offspring

HAS SUPER-STRENGTH IS _____. HAS SUPER-STRENGTH IS _____.



HAS SUPER-STRENGTH IS _____.

SUPER-TRICKY! IN EACH CASE ABOVE, WHAT IS THE PROBABILITY THAT THEIR OFFSPRING DOES NOT HAVE SUPER-STRENGTH? IN EACH CASE, DO YOU NOTICE ANYTHING ABOUT THE SUM OF THE PROBABILITIES?