Question Number	Answer	Additional guidance	Mark
5(b)	An explanation that includes three of the following points: • the greater the number of recessive alleles the lighter the colour of the seed / the greater the number of dominant alleles the deeper the red colour (1) • random assortment and crossing over results in (gamete) variation (1) • random fertilisation (of gametes) results in (seed) variation (1) • low probability of {inheriting 0/6 recessive alleles / egg cell with no recessive alleles being randomly fertilised by sperm cell with no recessive alleles} (1)	accept converse accept correct statement using information from table e.g. linking a colour to number of recessive alleles / linking colour to frequency / normal distribution accept the gametes vary in the number of {recessive/dominant} alleles they contain accept converse for chance of inheriting {3 recessive / 3 dominant} alleles	**(3)**