Name _____ Date _____ Score _____

Free sample

Genetics and Inheritance

Six questions to try. Then check your answers on page 2.

Remember

A **dominant** allele (B) shows with one copy; a **recessive** allele (b) shows only as bb. Each parent gives **one** allele. Each Punnett box is a 25% chance.

1 What is an **allele**?

2 Is **Bb** homozygous or heterozygous?

3 B is brown (dominant). What colour is **Bb**?

4 How many chromosomes are in a human body cell?

5 Bb × Bb. What is the chance of **bb**?

6 Which chromosomes does a male have?

Name _____ Date _____ Score _____

Answers

1. **a version of a gene** — For example B or b.

2. **heterozygous** — The two alleles are different.

3. **brown** — One B is enough.

4. **46 (23 pairs)** — Sex cells have 23.

5. **25% (1 in 4)** — BB, Bb, Bb, bb.

6. **XY** — Females have XX.

In the full pack

16 questions in 5 parts (1 · DNA, genes and alleles, 2 · dominant and recessive, 3 · Punnett squares, 4 · sex and probability, 5 · Mendel data analysis), a notes page, a full answer key, a 14-slide teaching deck with a coin-genetics model, and a 22-question online practice set (10 questions are free online).

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