

Stats — Full Revision

Name:

Date:

INQUIRY**Data, averages, diagrams, probability — understanding uncertainty with mathematics.**

Discuss with your partner. Write your initial ideas below:

Key Vocabulary

Term	Definition
Mean	Total/count.
Correlation	Relationship between variables.
P(A and B)	$P(A) \times P(B)$ if independent.

Full Revision (28 marks)

1. Find mean from frequency table: score 1(x2), 2(x5), 3(x3), 4(x6), 5(x4). [3 marks]

Show your working:

2. Describe correlation: as temperature increases, ice cream sales increase. [1 mark]

3. Bag: 4 red, 6 blue. $P(\text{red then blue})$ with replacement? [2 marks]

Show your working:

4. Draw tree diagram: 2 coins flipped. Find $P(\text{at least one tail})$. [3 marks]