

# Maths in Motion Sports Quiz

## ROUND 4

### QUESTION 1

#### Basketball

Q. In a basketball match, the green team score **26 points**. The red team score **twice** as many. So how many did the red team score?

A. 52

### QUESTION 2

#### Squash Racquets

Q. If a bundle of 5 identical squash racquets weighs **650g**, how much does **one** of the racquets weigh?

A. 130g

### QUESTION 3

#### Bobsleigh

Q. If a 2 man bobsleigh weighs **390kg** and a 4-man bob weighs **630kg** – what's the difference in weight between them?

A. 240g

### QUESTION 4

#### Gymnastics

Q. The balance beam used in women's gymnastics is 500cm long, and 10cm wide. What is its area, in square centimetres?

A. 5000cm<sup>2</sup>

### QUESTION 5

#### Discus

Q. In the discus event, the athlete makes their throw from inside a circular area 2.5m in diameter. What is the radius of this circle?

A. 1.25m

QUESTION 6

**Walking**

If Chloe walks at an even speed for 3 minutes and covers 240m, how far will she travel in 1 minute?

A. 80m

QUESTION 7

**Tennis**

Q. In tennis, a doubles court is 10.97m wide, and a singles court is 8.23m wide. How much wider is the doubles court?

A. 2.74m

QUESTION 8

**Swimming**

Q. A swimmer takes 47.02 seconds to swim 100m freestyle, and 49.45 seconds to swim the same distance butterfly. So how much faster was he swimming freestyle?

A. 2.43 seconds faster.

*BONUS FACT: Those were the gold medal winning times of the American swimmer Caeleb Dressel in the 2020 Olympics.*

QUESTION 9

**Cycling**

Q. A cyclist covers a distance of **120 kilometres** in **8 hours**. What was their average speed, in kilometres per hour?

A. 15 kilometres an hour.

QUESTION 10

**Sports Day school record ...**

Q. If the school record for the long jump is **3.35m** and the winner on sports day jumps **2.48m**, how many centimetres further would they have to jump to equal the record?

A. 87cm (or 0.87m for a half mark, as the question asked for centimetres).