

Maths in Motion Sports Quiz

ROUND 3

QUESTION 1

Running shoe disaster!

Q. Sam is competing in a 400m sprint – but as she runs, one of her shoes flies off, 185m from the finishing line. How far had she run before losing her shoe?

A. 215m

QUESTION 2

Gymnastics

Q. The floor exercise in both men's and women's gymnastics takes place on a square mat measuring **12m** by **12m**. What is the area of the mat?

A. 144m^2

BONUS FACT: In rhythmic gymnastics, the floor area is slightly larger at 13m x 13m. The area of this type is 169m^2 .

QUESTION 3

Rollerblading

Q. If a rollerblader skates for **203m**, then **76m**, then **128m** – how far have they travelled in total?

A. 407m

QUESTION 4

Hockey spectators

Q. **240** people are watching a hockey match. **One third** of them are children. How many are adults?

A. 160

QUESTION 5

Match nutrition

Q. A tennis player brings a water bottle and two bananas with him to a match. The water bottle weighs **550g** and the bananas weigh **310g**. What is their total weight?

A. 860g

QUESTION 6

Teams in a tournament

Q. If there are **four teams** of **11** players taking part in a tournament, how many players is that in total?

A. 44

QUESTION 7

Pole vault

Q. At the 2020 Olympics, Great Britain's Holly Bradshaw won a bronze medal in the pole vault, with a vault of **4.85m**. This was **3.10m** higher than her own height. So what is her height?

A. 1.75m

QUESTION 8

Golf

Q. If a golf ball travels **20m** and then **15cm** more, how far has it travelled, **in centimetres**?

A. 2015cm

QUESTION 9

Cheerleading

Q. In a cheerleading competition, routines must be no more than **2 minutes 30 seconds** long. How many **seconds** is this in total?

A. 150 seconds

BONUS FACT: Cheerleading is a sport with more than one governing body, and the rules may vary slightly in different competitions – including the maximum length for a routine.

QUESTION 10

Snooker

Q. In a game of snooker, there are **22** balls. **15** are red, and **one** is white. How many balls are neither red nor white?

A. 6