



# QUICKFIRE MATHS TEASERS

.....

We are learning to:

Use all four operations to solve problems involving fractions and measure.

Suitable for: Key Stage 2 / Key Stage 3

.....

Here are our quickfire Albion-themed maths teasers for you to tackle. See if you can answer all 14!

Like opponents in football, some will be more difficult than others, but have a go and do your best.



1. Maty Ryan, Lewis Dunk, and Davy Pröpper have played the most minutes so far this season. Maty Ryan has played 2,610, the most by far. Lewis Dunk has played 2,430, while Davy Pröpper has played 70 minutes less than him. How many more minutes has Maty Ryan played than Davy Pröpper?
2. Glenn Murray is 0.1 metres taller than Neal Maupay. Dan Burn is 150mm taller than Glenn Murray. What is the difference in centimetres between Dan Burn and Neal Maupay?
3. The grounds team at the Amex Stadium are painting fresh white lines on the pitch. All five team members do the same amount of work and together paint 6.5 metres of fresh lines every minute. How many metres has each person painted in centimetres after one minute?
4. Laura Rafferty knows it is important to stay hydrated. She has six bottles of water to share between herself and some teammates. Each bottle contains one litre of water and she pours 750ml into each teammate's cup. Not counting herself, how many teammates does she share the water with?





# QUICKFIRE MATHS TEASERS

.....

5. Albion's chefs want to make a healthy pre-match pizza for the players to eat. For a small pizza they would use 300g of tomatoes, 120g of onions, and 80g of mushrooms. They want to make enough sauce for a giant pizza though, so they use 1.2kg of tomatoes. How many 100g boxes of mushrooms would they need to buy for the giant pizza?



6. The players use cones every day during training to help improve their skills. Ten cones have a total mass of 1.6kg. Players also need to wear shin pads when they train. A pair of shin pads weighs one-and-a-half times more than a cone. What is the mass of a single shin pad in grams?



7. The diameter of a football is 45cm. The Albion's coaches like the dressing room to be kept tidy so ask the club's maintenance team to build a box which will hold six footballs. They want it to be wider than it is long. What is the smallest length in centimetres the box would have to measure to fit all six footballs?

8. Two of Brighton's players are taking turns to run 100 metres. They record their times to see who is quickest. Their times in seconds are: 12, 12, 12.2, 12.3, 11.5, 12, 11.6, 12.2, 12.5, 12, 12.2, 11. What is their mean average sprint time?



9. The North Stand concourse at the Amex Stadium needs redecorating. The club's maintenance team will use  $\frac{1}{6}$  of a can of paint to cover 4.5 square metres of wall. How many metres of wall will one whole can of paint cover?

10. Yves Bissouma loves collecting football stickers and only needs a few more to complete his collection. He's found someone who has the stickers he needs. They are selling shiny stickers for 10p each and rare players for 11p. If Yves spends 94p altogether, how many shiny stickers would he have bought?





# QUICKFIRE MATHS TEASERS

.....

- 11.** The Brighton kit manager is ordering some new footballs for pre-season training. A crate of footballs costs £960. There are 100 bags of balls in a crate and 12 balls in a bag. How many pennies will pay for 1 football?
- 12.** There are 50 year six children attending a Brighton & Hove Albion Soccer School; 16 of the players are 10-year-olds. What percentage of pupils are aged 11?

- 13.** Ini Umotong and Danielle Bowman both want to do some shooting practice after training. They have been given 45 footballs by the coaches to share between them. They use a ratio of 3:2. How many more footballs does Ini Umotong have than Danielle Bowman?



- 14.** Two coaches buy 12 new football bibs for the players to use during training. One coach buys three packs each containing four bibs. A pack of four costs £7.50. The other buys two packs each containing six bibs. A pack of six costs £10.75. How much change would the coaches get if they paid with a £50 note?
- .....

**Find out how many questions you answered correctly by checking the answers sheet.**