

Twitter maths quiz 2018 questions and answers

Monday

The union rep decides to get fitter and enrolls for a 10km charity run. However, she's more used to imperial measurements and wonders now how long the run is. Is it roughly

5 miles 6 miles 7 miles or 8 miles?

Answer: 6 miles

There are roughly 1.6 kilometres in a mile. $10 \div 1.6 = 6.25$.

Tuesday

The union rep wants to start a healthy diet. She finds out that she should consume roughly 2000 calories per day and aims to have 15 per cent of day's caloric intake for breakfast. Her bowl of porridge contains 150 calories. How many bowls can the rep have in the morning?

2 bowls

15 per cent of 2000 is 300. Divide this with 150 to get the number of bowls.

Wednesday

What do the following mathematical terms mean? Match each term with its description:

Mean Add all the numbers together and divide by how many there are.

Range Subtract the smallest number from the biggest.

Mode Find the most frequent number.

Thursday

A union learning rep decides to order badges to celebrate Maths Workout Week. The badges cost £0.15 each without VAT. VAT is 20 per cent tax which needs to be added to the overall cost. The rep has a budget of £30. How many badges can she order?

166

20% is a fifth of £0.15 which is £0.03. Add £0.15 and £0.03 to get a price for a single badge. Divide the budget of £30 with £0.18.

Friday

A union rep drives her car to a training course venue. The venue is 100 miles away and she needs to be there 30 minutes before the start time which is 10.30 am. She's planning to drive 50 miles per hour. When does she have to leave home?

8 am

Divide 100 with 50 to find out that the drive takes 2 hours. Add extra 30 minutes needed and subtract 2.5 from 10.30.