

Marco's Cafes

Solve problems involving addition, subtraction, multiplication and division

For each of these these word problems about Marco's Cafes, use rounding or the inverse operation(s) to check your answers.

challenge

- 1 In December, Marco's customers each paid an extra 5p for a cup of coffee. This additional charge was donated to a local charity. If Marco sold 3765 cups of coffee, how much did the charity receive?



- 2 The cafe's speciality is fresh donuts. They are very popular! In November: Cafe P sold 5472, Cafe Q sold double this number, and Cafe R sold 4928. What were the total sales?

- 3 Marco ordered new cutlery for his cafes. In total he ordered 45 870 items. He ordered 20 450 teaspoons, as they are always getting lost, and an equal number of knives and forks. How many knives were ordered?

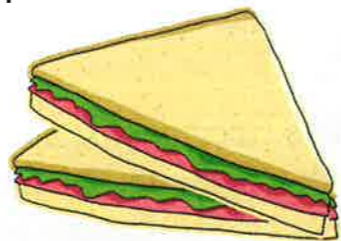
- 4 Marco wants new tables for his cafes. The number he needs can be:
- divided by 3 with a remainder of 1
 - divided by 5 with a remainder of 3
 - divided by 6 with a remainder of 4.

He needs between 50 and 60 tables. How many tables does he need?

challenge

2

- 1 Marco orders his annual stock of napkins for all three of his cafes at the same time. Cafe R needs more napkins than Cafe Q, but not as many as Cafe P. One cafe needs 48 680 napkins and another cafe needs 5240 more. In total he orders 154 340 napkins. How many does he need to deliver to each cafe?



- 2 Marco checked the number of customers who have visited all three cafes. The total for February was 2311. In March the figure was five times as many. April was also a very busy month. The number of customers for all three months was 28 756. How many visited the cafes each month?
- 3 Every December Marco's customers pay an extra 3p for each mince pie they buy. This additional charge is donated to charity. Last year, £125.40 was raised. This year an extra 20% was raised. How many mince pies were sold this year and last year?
- 4 In January, Marco was very surprised when he looked at the donut sales in each cafe. He noticed that they were three consecutive numbers. The total sales were 13 665. What were the sales for each cafe?
- 5 Marco pays his staff £8 an hour. In three weeks one employee earned £888. Each week he worked 6 hours more than the week before. How many hours did he work each week?



challenge

3

- 1 For August, September and October, Marco decided to order cups and paper towels and share them equally between all three of his cafes. The combined total of cups and paper towels he ordered was 25 890. He ordered 3942 more paper towels than cups.
- How many paper towels will each cafe receive?
 - How many cups will each cafe receive?
- 2 In June, Marco's customers each pay an extra 5p for every cup of tea they buy. This additional charge is donated to charity. The three cafes together raised £347.60.
- How many cups of tea were sold?
 - Cafe P raised 10% more than Cafe Q. Cafe R raised £81.95. How much did Cafes P and Q each raise?

