West Byfleet Junior School

Problem of the Week Solutions - Week 6

2 Points

Eva has created a table to show how many boys and girls took part in after school clubs last week.

Day	Boys	Girls
Monday	11	9
Tuesday	18	12
Wednesday	13	11
Thursday	8	8
Friday	9	7

Eva says,

106 boys took part in after school clubs last week.

Is Eva correct?
Explain why.

Eva is incorrect.

If you add the boys column (11, 18, 13 , 8 and 9) the total is 59 not 106.

106 is the total for both boys and girls.

3 Points

Whitney has a piece of ribbon that is 3 metres long.

She cuts it into 12 equal pieces and gives Teddy 3 pieces.

How many metres of ribbon does Whitney have left?

3 metres = 300cm

300 ÷ 12 = 25cm (the length of one piece)

Teddy has 3 pieces (25x 3 = 75cm)

Whitney has what is left.

300 (the whole) – 75 (what Teddy has) = **225cm or 2.25m**

5 Points

Jack has £55

He spends $\frac{3}{5}$ of his money on a coat and 30% on shoes.

How much does he have left?

3/ 5 of £55 = 55 ÷ 5 = 11 (1/5)

11 x 3 = 33 (3/5)

Coat = £33

30% of £55 = 55 ÷ 10 = £5.50 (10%)

£5.50 x 3 = £16.50 (30%)

Shoes = £16.50

Coat + shoes = £33 + £16.50 = £49.50 spent.

£55 - £49.50 (spent) = **£5.50 left**

Attempt to solve one or more of the problems and submit your solutions to Mrs Watts via email potw@west-byfleet-junior.surrey.sch.uk

Submit your solution on or before **Tuesday 14th November 2023** for your points to be added to the leaderboard, if your answer(s) are correct.

The leaderboard, weekly problems and solutions can be found on the school website under: Pupils Zone – Problem of the Week