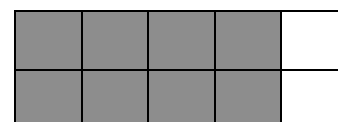# E3 Christmaths quiz
Answers

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1. Santa has 207 elves working for him all year round. At Christmas he employs 156 more. How many elves does he have in total? 207 + 156 = 363 elves
2. 57 elves get swine flu. How many are left? 363 – 57 = 306
3. Round this number to the nearest 100 elves. 300
4. There are 12 reindeer. Round this to the nearest 10. 10
5. Estimate how many working staff Father Christmas has. 300 + 10 = 310
6. Calculate how many staff Father Christmas has. (Elves and reindeer) 306 + 12 = 318
7. 3 elves pack 87 bars of soap into gift boxes. How many bars does each elf pack? 87 ÷ 3 = 29 bars
8. He gets £5.80 per hour plus 45p overtime. How much is this in total per hour? £5.80 + £0.45 = £6.25
9. Round this to the nearest pound. £6.00
10. In one week the same elf works for 10 hours, plus 2 hours overtime. How much is this? £58 + £12.50 = £70.50

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11. Auntie Mabel drinks ½ a bottle of sherry before Christmas dinner. Which of these fractions are equivalent to ½? 2/4 7/12 3/6 1/6 6/12 2/3 ¾ 5/10 6/16 4/8 2/6
12. Julie has bought a Christmas pizza. She eats 6/8 of it. Shade in 6/8 6 slices to be shaded
13. Little Billy eats 8/10 of his giant Dairy Milk. Shade in 8/10.
14. The first garage you come to sells a litre of petrol for £1.34. 10 litres of petrol would that cost you £1.34 x 10 = £13.40
15. Bob gets a new tape measure for Christmas. How many millimetres are there in 1 centimetre? 10
16. The tape is 3 metres long. How many centimetres is that? 300
17. This is Jim's present: The height is 10cm, the length is 25cm and the width is 15cm. Mark these on the picture. To be labelled correctly – check with your tutor if needed.
18. There are 2 spaces under the Christmas tree.
    a) H 12cm, W 23cm, D 15cm
    b) H 12cm, W 27cm, D 16cm.

Will Jim's present fit into either of these spaces? Yes – space b

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19. These are the presents received by a class of students:

Record the numbers of presents in this tally chart.

Gifts	Tally	Total
Chocolates	ⅢⅢ ⅢⅠ	9
Socks (pairs)	ⅢⅢ ⅢⅢ Ⅲ	13
Toiletries	ⅢⅢ Ⅰ	6
Diary	ⅢⅢ Ⅲ	9

20. What was the most popular present? Socks

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21. Calculate the total number of underlined individual socks given as presents 14 x2 = 28 socks

10th December 3 x5 = 15 trees	
11th December 5 x 5 = 25 trees	
12th December 4 x 5 = 20 trees	
13th December 7 x 5 = 35 trees	

22. How many trees were sold on 10th December? 15
23. How many more trees were sold on 13th December than 12th December? 35-20=15
24. How many presents should I get altogether? 1+2+3+4+5+6+7+8+9+10+11+12=78
25. The 9 ladies dancing got lost in the post. How many did I actually receive? 78-9=69