

L1 Christmaths quiz

Name _____ Date _____

Good luck and don't forget to show all your workings!

1. Debenhams has hired 400 store Santas.

If each Santa sees 125 children a day for 30 days, how many children do the store Santas see?



2. Sugar mice cost £0.89 a dozen. **How much would it cost to buy sugar mice for a school with 400 students? (One mouse per student.)**

3. 3 elves each pack an equal number of bars of soap into gift boxes. There are 108 bars of soap altogether. 4 bars of soap are packed into each gift box. **How many bars does each elf pack and how many boxes will they need altogether?**



4. 6 elves have to pack 726 toy cars. **How many cars does each elf pack?**



5. An elf is checking his overtime wages. He gets £5.80 per hour plus 45p overtime per hour and a 6p bonus per hour. **How much is this in total per hour?**

6. In one week the same elf works for 40 hours plus 15 hours overtime. **How much does he get paid for his week's work?**



7. **Round this amount to the nearest pound.**

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8. One of the elves is a supervisor. He gets £6.20 per hour, plus 62p overtime and 12p bonus per hour.

How much is this per hour for overtime? If in one week he works for 37 hours plus 20 hours overtime how much will he earn in total for that week?

9. Little Billy has eaten $\frac{3}{4}$ of a giant Toblerone.

Which of these fractions are the same as $\frac{3}{4}$?

6/16 2/8 4/12 5/20 3/12 12/16 4/16 9/12 15/20 6/8 10/15



10. You need to fill the car up with petrol so that you can visit all your relations to give them their presents. The first garage you come to sells a litre of petrol for £1.34. You know that you need 15.5 litres of petrol. **How much would that cost you?**

11. You decide that the garage are charging too much so you drive a bit further and find another garage that is charging £1.27 per litre.

How much will 15.5 litres of petrol cost you here?



12. **What is the difference between 15.5 litres of petrol bought from the first garage and 15.5 litres bought from the second garage?**

13. Bob gets a new tape measure for Christmas. It's in centimetres and millimetres.

How many millimetres in 2.5 centimetres?



14. The tape is 3.5 metres long. **How many centimetres is that?**

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15. The sheet of wrapping paper I have is 45cm wide and 1.2m long. **What is the surface area of the wrapping paper?**

16. I have bought my guinea pig a new run for Christmas, it measures 1m wide by 2m long I want to wrap a ribbon around the perimeter – **How much ribbon will I need?**

17. Each large roll of ribbon has 20 metres. Each package takes 30 cm of ribbon. **How many packages can be wrapped?**



18. A garden centre keeps a record of how many Christmas trees they sell each day.

Each Christmas tree  = 15 Christmas trees sold.
How many trees were sold on 10th December?

10 th December		_____
11 th December		_____
12 th December		_____
13 th December		_____

19. **How many more trees were sold on 13th December than 12th December?**

20. Amy is busy cooking; each batch of 48 cookies that Amy makes takes 20 minutes in the oven. If the oven is on for 3 hours and 55 minutes (15 minutes for preheating).

How many cookies did Amy make?



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21. Jim is making gingerbread men. He uses 2 raisins for eyes and 3 raisins for buttons for each gingerbread man. He buys 4 boxes of raisins, each with 120 raisins in it.



How many dozens of gingerbread men can he make?

22. These are the numbers of presents that members of Amanda's maths class got:

John: 5	Patrick: 1	Greg: 9	Mark: 2	Sarah: 6
Paula: 3	Collette: 4	Kim: 5	Lee: 0	June: 5

Work out the mean number of presents.

23. **What is the range of the number of presents received?**

24. The distance from Nazareth to Bethlehem is about 70 miles and could have taken Mary and Joseph 5 days travelling along the rough route using a donkey and walking beside it. **BUT if it took a week then how many miles did they cover in a day?**

25. One of the Wise Men travelled 650 miles to get from his home town to Bethlehem. **If he travelled for 5 miles each day, how many days did his journey take?**



We hope you have a wonderful Christmas. See you next year!