CHRISTMAS MATHS FOR AGES 7–11

Christmas *maths challenge*

Twenty Christmas problems to solve. Show your working in the margin if you need to. One point for each right answer.

Name _____

Score /20

1 An Advent calendar has 24 doors. 15 are open. How many are left?

2 How many legs do 8 reindeer have?

3 Mince pies come in boxes of 12. How many in 6 boxes?

4 Santa visits 125 houses, then 75 more. How many altogether?

5 You have £20 and spend £13.50. How much is left?

6 What is three-quarters of 24 chocolates?

7 A turkey needs 40 minutes per kilogram. How long for 4 kg?

8 Christmas Day 2026 is a Friday. What day is Boxing Day?

9 How many days are there in December?

10 On 1 December, how many days is it until 25 December?

11 144 crackers are packed in boxes of 12. How many boxes?

12 Elves make 15 toys an hour. How many in 8 hours?

13 Round 1,847 presents to the nearest hundred.

14 A tree is 2.3 m tall. The star adds 25 cm. How tall now?

15 What is 12 squared?

16 Lights hang in 7 rows of 9. How many lights?

17 A recipe makes 12 biscuits. How many batches for 30 biscuits?

18 A square present has 15 cm sides. What is its perimeter?

19 What is 25% of 80 balloons?

20 Santa leaves at 11:45pm and lands at 1:15am. How long is that?

ANSWERS

The answers

1	**9**	An Advent calendar has 24 doors. 15 are open. How many are left?
2	**32**	How many legs do 8 reindeer have?
3	**72**	Mince pies come in boxes of 12. How many in 6 boxes?
4	**200**	Santa visits 125 houses, then 75 more. How many altogether?
5	**£6.50**	You have £20 and spend £13.50. How much is left?
6	**18**	What is three-quarters of 24 chocolates?
7	**2 hours 40 minutes**	A turkey needs 40 minutes per kilogram. How long for 4 kg?
8	**Saturday**	Christmas Day 2026 is a Friday. What day is Boxing Day?
9	**31**	How many days are there in December?
10	**24**	On 1 December, how many days is it until 25 December?
11	**12**	144 crackers are packed in boxes of 12. How many boxes?
12	**120**	Elves make 15 toys an hour. How many in 8 hours?
13	**1,800**	Round 1,847 presents to the nearest hundred.
14	**2.55 m**	A tree is 2.3 m tall. The star adds 25 cm. How tall now?
15	**144**	What is 12 squared?
16	**63**	Lights hang in 7 rows of 9. How many lights?
17	**3**	A recipe makes 12 biscuits. How many batches for 30 biscuits?
18	**60 cm**	A square present has 15 cm sides. What is its perimeter?
19	**20**	What is 25% of 80 balloons?
20	**1 hour 30 minutes**	Santa leaves at 11:45pm and lands at 1:15am. How long is that?