Christmas Mental Maths
Challenge Cards

---

1. Solve these problems in your head.

a) There are 30 baubles in a pack. The Jones family use $\frac{5}{6}$ of the pack to decorate their Christmas tree. How many baubles were used?

b) 4129 presents in Santa's workshop, are for girls. 3200 are for boys. How many presents are there altogether?

---

2. Solve these problems in your head.

a) There are 49 elves in Santa's workshop. Three sevenths of them have red hats. How many elves have red hats?

b) There are four boxes of baby dolls in a local shop ready for the Christmas rush. If there are 60 dolls in each box, how many are there altogether?

---

3. Solve these problems in your head.

a) One box of Christmas crackers cost £8.30. How much will 4 boxes cost?

b) Santa has 2692 presents on his sleigh. Round this number to the nearest 100.

4. Solve these problems in your head.

a) A ticket for a Christmas show is £4. If 64 tickets are sold, how much money is taken?

b) Jessie has to wait 42 days until it is Christmas Day. How many weeks will that be?
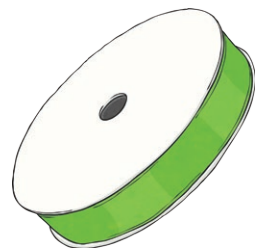
5. Solve these problems in your head.

a) Kim is saving her money ready for Christmas. She saves the same amount each week. In six weeks she has saved £45. How much did she save each week?

b) It is 11:35. Mum says Christmas dinner will be at 13:15. How long will the family have to wait?

6. Solve these problems in your head.

a) A Christmas dinner at the local pub costs £79 each. How much will it cost four adults to eat there?

b) A roll of Christmas ribbon is 9m. If the elves need strips of ribbon to be 20cm each, how many strips will they get?

7. Solve these problems in your head.

a) A The new book, My Fantastic Christmas, costs £6.50. Chandan buys one book and gets the other half price. How much does he pay altogether?

b) There are 30 children in the Year 4 Christmas Show. Half of the class are dancers. They need to get into groups of three. How many groups will there be?

8. Solve these problems in your head.

a) A Mrs Claus bakes 60 elf biscuits. 15 are eaten in the morning and 34 eaten in the afternoon. How many biscuits are left?

b) Amy buys three packs of eight Christmas cards with trees on, and two packs of nine cards with Santa on. How many cards has she bought altogether?

9. Solve these problems in your head.

a) Santa is visiting the local garden centre. 32 children visit in the morning. If 3/8 of the children are boys, how many girls visited Santa?

b) Christmas candy canes cost £2.20 for 4. How much would it cost for 12?

10. Solve these problems in your head.

a) Becky counts up her Christmas money. She has two £5, three 50p coins, eight 10p coins and four 5p coins. How much has she got altogether?

b) A chocolate box is rectangular. If one side is 30cm, and another side is half this length, what is the perimeter of the box?

11. Solve these problems in your head.

a) A turkey pie weighs 2412g. If the pie is cut into six pieces, how heavy is each slice?

b) Santa has travelled 370 km in one hour. How far will he have travelled in two hours?

12. Solve these problems in your head.

a) There are nine sweets in a bag. How many sweets will there be if there are 12 bags?

b) The elves have to make all the bells on the reindeer harness shine. There are 144 bells altogether. The elves have cleaned 1/3. How many bells have they cleaned so far?

Christmas Mental Maths **Answers**

1. a)	25	5. a)	£7.50
b)	7329	b)	1 hr and 40 mins, 100 mins
2. a)	21	6. a)	£316
b)	240	b)	45
3. a)	£33.20	7. a)	£9.75
b)	2700	b)	5 groups
4. a)	£256	8. a)	11
b)	6 weeks	b)	42

Christmas Mental Maths **Answers**

9. a)   20 girls

   b)   £6.60

10. a)   £12.50

   b)   90cm

11. a)   402g

   b)   740km

12. a)   108

   b)   48