

Christmas Mental Math Challenge Cards



Christmas Mental Math

1. Solve these problems in your head.

- There are 30 baubles in a box. The Jones family use $\frac{5}{6}$ of the pack to decorate their Christmas tree. How many baubles were used?
- 4129 presents in Santa's workshop are for girls. 3200 are for boys. How many presents are there altogether?



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2. Solve these problems in your head.

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



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3. Solve these problems in your head.

- One box of Christmas crackers cost £8.30. How much will 4 boxes cost?
- Santa has 2692 presents on his sleigh. Round this number to the nearest 100.

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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?



Christmas Mental Math

5. Solve these problems in your head.

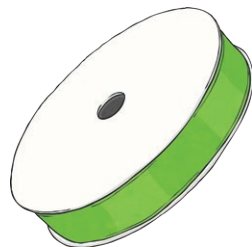
- a) Kim is saving her money ready for Christmas. She saves the same amount each week. In six weeks she has saved £45. How much did she save each week?
- b) It is 11:35 am. Mom says Christmas dinner will be at 1:15 pm. How long will the family have to wait?



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6. Solve these problems in your head.

- a) A Christmas dinner at the local restaurant 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?



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7. Solve these problems in your head.

- a) The new book, My Fantastic Christmas, costs £6.50. Chandan buys two copies and gets the second one 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?



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8. Solve these problems in your head.

- 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?



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9. Solve these problems in your head.

- a) Santa is visiting the local garden center. 32 children visit in the morning. If $\frac{3}{8}$ 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?



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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?



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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 traveled 370 km in one hour. How far will he have traveled in two hours?



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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 $\frac{1}{3}$. How many bells have they cleaned so far?



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Christmas Mental Math Answers

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

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Christmas Mental Math Answers

- 9. a) 20 girls
- b) £6.60
- 10. a) £12.50
- b) 90 cm
- 11. a) 402g
- b) 740km
- 12. a) 108
- b) 48

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