

20 Challenging Chocolate Maths Word Problems for UK 7+ and 8+ Independent School entry, with answers.

Questions

1. A chocolate bar costs £1.50. Lucy buys 4 bars. How much does she spend, and how much change does she get from £10?
2. A box has 30 chocolates. Tom eats 6. How many are left, and how many would there be if 10 more were added?
3. A shop sells 5 chocolate bars for £5. How much does 1 bar cost, and how much would 8 bars cost?
4. A baker makes 40 chocolates and puts them into boxes of 10. How many boxes are filled, and how many chocolates are left?
5. A chocolate cake costs £12. You buy 2 cakes. How much do you spend, and how much change from £30?
6. A pack has 24 chocolates. If 4 friends share them equally, how many does each get, and how many are left?
7. A factory makes 100 chocolates in the morning and 150 in the afternoon. What is the total, and how many are left after selling 120?
8. A chocolate bar weighs 50g. What is the weight of 6 bars, and how many grams is that in total?
9. A girl saves £2 each week to buy a £20 chocolate gift. How many weeks will it take, and how much will she have after 6 weeks?
10. A box holds 12 chocolates. How many chocolates are in 5 boxes, and how many more are needed to reach 100?
11. A café sells 20 hot chocolates in the morning and 15 in the afternoon. How many in total, and how many more to reach 50?
12. A chocolate bar costs £2. A deal gives 2 bars for £3. How much do 4 bars cost on the deal, and how much is saved?
13. A bag has 60 chocolates. If 15 are given away, how many remain, and how many would be left after giving away 10 more?
14. A baker uses 100g of chocolate per cake. How much is needed for 5 cakes, and how much for 8 cakes?
15. A chocolate shop sells 8 boxes each day. How many boxes are sold in 5 days, and how many in 7 days?
16. A bar is cut into 8 pieces. If 3 pieces are eaten, how many are left, and how many bars are needed for 16 pieces?



17. A shop has 90 chocolates. If they are packed into bags of 9, how many bags are made, and how many chocolates are used?
18. A chocolate costs £3. You buy 3. How much is spent, and how much change from £15?
19. A tray holds 25 chocolates. How many chocolates are there in 4 trays, and how many more to make 120?
20. A child eats 2 chocolates a day. How many are eaten in 7 days, and how many in 10 days?

Answers

1. £6 spent, £4 change
2. 24 left, 34 after adding
3. £1 each, £8 total
4. 4 boxes, 0 left
5. £24 spent, £6 change
6. 6 each, 0 left
7. 250 total, 130 left
8. 300g total
9. 10 weeks, £12 after 6 weeks
10. 60 chocolates, 40 more needed
11. 35 total, 15 more needed
12. £6, save £2
13. 45 left, 35 after more given
14. 500g, 800g
15. 40 boxes, 56 boxes
16. 5 left, 2 bars needed
17. 10 bags, 90 used
18. £9 spent, £6 change
19. 100 chocolates, 20 more needed
20. 14 chocolates, 20 chocolates

