

Combined Calculations Multi-step Problems

1. Kerry buys ten boxes of 6 mince pies for 89p each, four boxes of 6 luxury mince pies for £2 each and four boxes of 4 Free From mince pies for £1.75 each. What is the average cost of each mince pie to the nearest penny?



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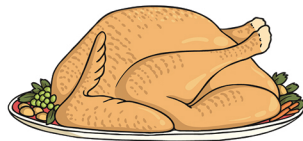
2. A butcher sells turkeys at the following prices:

Large £35

Medium £28

Small £16

The butcher sells 13 large, 21 medium and 18 small turkeys. The turkeys cost the butcher £624. What profit does the butcher make?



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3. A farmer harvests 1467kg parsnips to sell to local stores for Christmas. The farmer sells three hundred and forty 2kg bags and one hundred and seventy-two 750g bags. The rest of the parsnips are sold in 1.2kg bags. How many of these 1.2kg bags are sold?



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4. A factory makes Christmas cards, which are sold in boxes of ten, fifteen and twenty-four. 678 boxes of ten, 1082 boxes of fifteen and 276 boxes of twenty-four were sold one Christmas. How many cards altogether are sold?



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5. A company that makes Christmas stars has 3 designs. One year it makes 2492 blue stars, 3829 silvers stars and 2775 gold stars. The stars are mixed and divided into boxes of 14 stars. How many boxes can be filled?



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6. A greetings card company makes 3 different Christmas cards for a pack of cards. A pack contains 2 shepherd cards, 3 wise men cards and 5 baby in a manger cards. If 13 491 wise men cards are made, how many shepherd and baby in a manger cards are needed to complete the packs?



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7. Mrs Blake is making Christmas biscuits for the Christmas fair:

Butter costs 85p per 250g

Plain flour costs 80p per 1.5kg

Sugar costs 75p per 500g

Icing sugar costs 88p per 500g



Mrs Blake uses 1kg butter, 3kg flour, 1kg sugar and 4kg icing sugar to make her biscuits. What is the total cost of making the biscuits?

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8. Seven children buy some drink to make a Christmas party drink. They buy 6 cartons of raspberry juice for £1.34 each and 4 bottles of pink lemonade for 87p each. They share the cost. How much will each pay, rounded to the nearest penny?



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9. The ingredients for Christmas pudding ice cream include:

200g plain flour

50g rice flour

140g butter

100g icing sugar

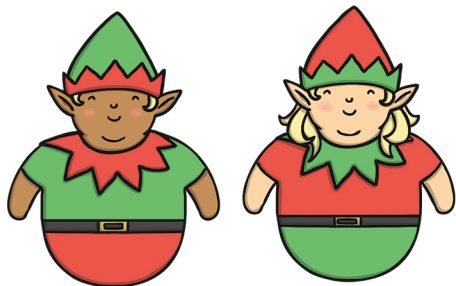


Mrs Blake has 350g butter. How much of the other ingredients will she need if she wants to use all the butter?

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10. Christmas finger puppets are sold in packs of 24 for £3.60 in a local shop. An online shop sells packs of 75 for £8.25. How much more expensive per puppet is it to buy the puppets in the local shop?



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Combined Calculations Multi-step Problems Answers

1. 23.9p

2. £707

3. 548

4. 29 634

5. 649

6. 8994 shepherd cards, 22 485 baby in a manger cards

7. £13.54

8. £1.65

9. 500g plain flour, 125g rice flour, 250g icing sugar

10. 4p

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