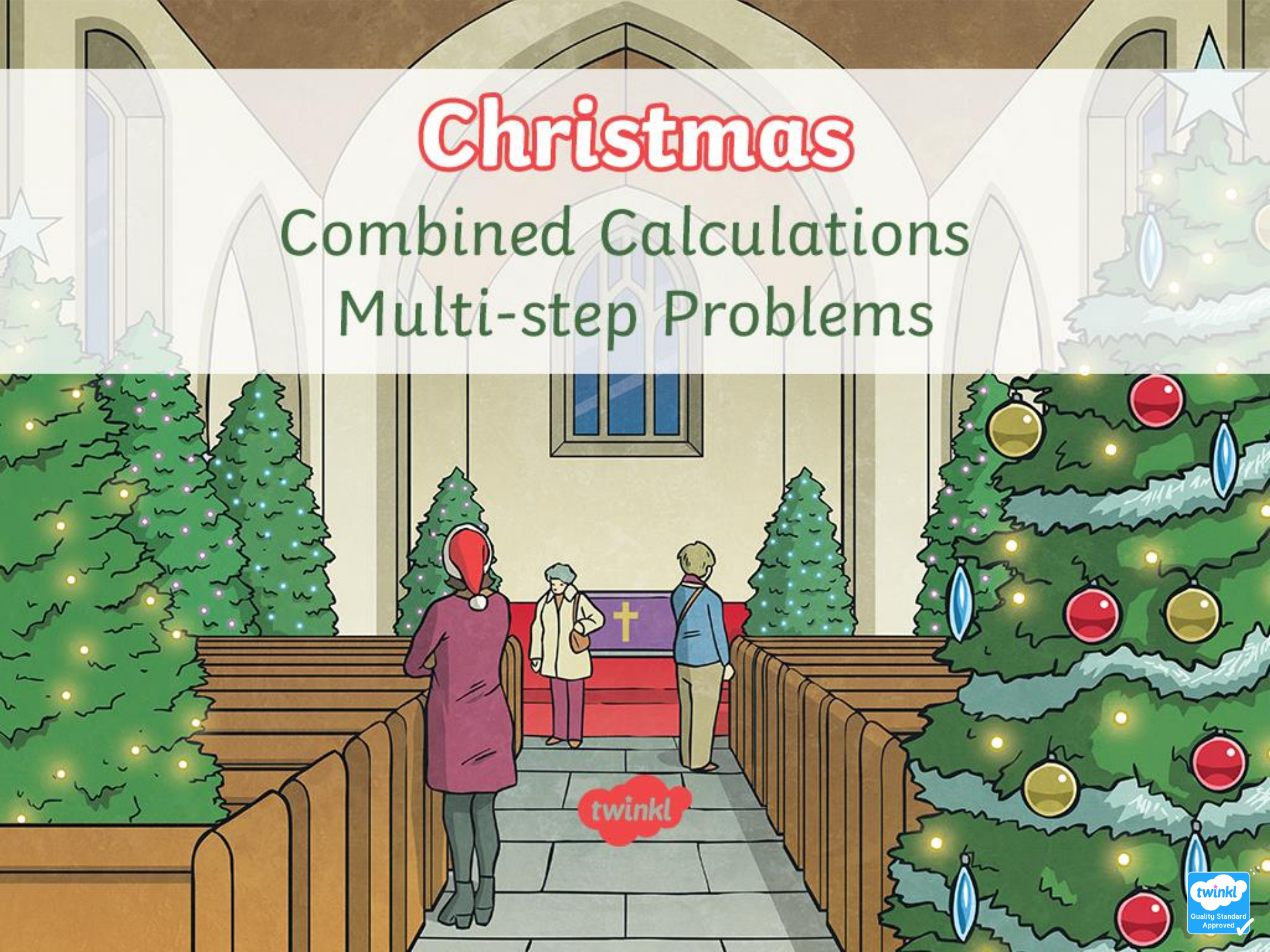


Christmas

Combined Calculations Multi-step Problems



Christmas Crackers

Kerry buys three packs of crackers for £3.75 each and two packs of luxury crackers for £6.99 each. She pays £30. How much change will she receive?



Oh Christmas Tree! Oh Christmas Tree!

A local shop sells Christmas trees at the following prices:

Above 3m £45

2.50m – 3m £35

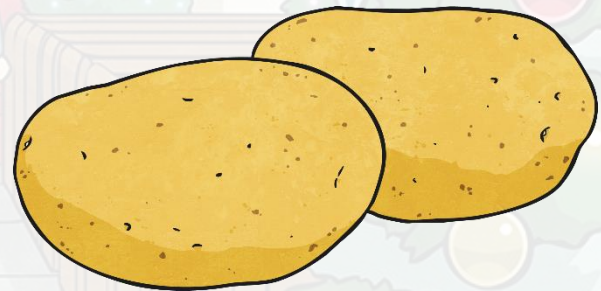
2m – 2.50m £28

The shop sells thirteen of the tallest, 15 of the smallest and 8 of the other. The trees cost the shop £587. What profit does the shop make?



Roast Potatoes!

A farmer harvests 3250kg potatoes to sell to local stores for Christmas. The farmer sells three hundred and fifty 5kg sacks and three hundred and twenty 750g bags. The rest of the potatoes are sold in 2kg bags. How many of these 2kg bags are sold?



Christmas Decorations

A factory makes Christmas decorations, which are sold in boxes of six, twelve and fifteen. 267 boxes of six, 781 boxes of twelve and 107 boxes of fifteen were sold one Christmas. How many decorations altogether are sold?



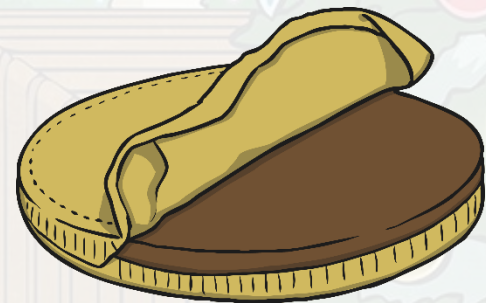
Advent Calendars

A company that makes chocolate Advent calendars has 2897 milk chocolate sweets and 7364 plain chocolate sweets. The sweets are mixed and divided into sets of 24 sweets for each Advent calendar. How many calendars can be filled?



Christmas Chocolates

A chocolate company makes three sizes of chocolate coins for each bag. A bag contains three large, five medium and eight small coins. If 7600 small coins are made, how many large and medium coins are needed to complete the bags?



Mince Pies

Mr Wood is making mince pies for the Christmas fair:

Butter costs 85p per 250g

Plain flour costs 80p per 1.5kg

Sugar costs 75p per 500g

Mincemeat costs £1.80 per 822g

Mr Wood uses 2kg butter, 3kg flour, 1kg sugar and 2.466kg mincemeat to make his mince pies.
What is the total cost of making the pies?

£15.30



Festive Drinks

Five children buy some drink to make a Christmas punch for a party. They buy five cartons of cranberry juice for £1.15 each and three bottles of lemonade for 65p each. They share the cost. How much will each child pay?



Christmas Puddings

The ingredients for Christmas pudding ice cream include:

4 eggs

100g sugar

175g Christmas pudding

300ml cream

Mr Wood has 700g pudding left over to make the ice cream for a party. How much of the other ingredients will he need?



Christmas Tree Chocolate

Christmas tree chocolate decorations are sold in packs of 12 for £1.80 in a local shop. An online shop sells packs of 21 for £2.31. How much more expensive per decoration is it to buy the decorations in the local shop?



ANSWERS

Following slides reveal the answer to each problem.



Christmas Crackers

Kerry buys three packs of crackers for £3.75 each and two packs of luxury crackers for £6.99 each. She pays £30. How much change will she receive?

£4.77



Oh Christmas Tree! Oh Christmas Tree!

A local shop sells Christmas trees at the following prices:

Above 3m £45

2.50m – 3m £35

2m – 2.50m £28

The shop sells thirteen of the tallest, 15 of the smallest and 8 of the other. The trees cost the shop £587. What profit does the shop make?

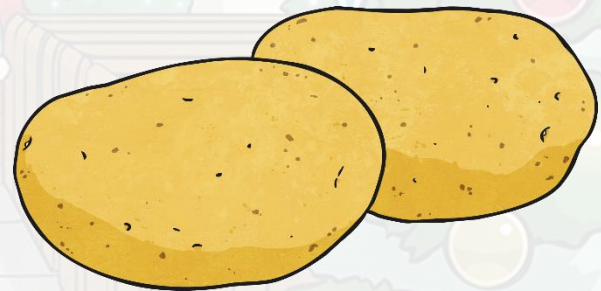
£698



Roast Potatoes!

A farmer harvests 3250kg potatoes to sell to local stores for Christmas. The farmer sells three hundred and fifty 5kg sacks and three hundred and twenty 750g bags. The rest of the potatoes are sold in 2kg bags. How many of these 2kg bags are sold?

630 bags



Christmas Decorations

A factory makes Christmas decorations, which are sold in boxes of six, twelve and fifteen. 267 boxes of six, 781 boxes of twelve and 107 boxes of fifteen were sold one Christmas. How many decorations altogether are sold?

12 579



Advent Calendars

A company that makes chocolate Advent calendars has 2897 milk chocolate sweets and 7364 plain chocolate sweets. The sweets are mixed and divided into sets of 24 sweets for each Advent calendar. How many calendars can be filled?

427 Advent calendars

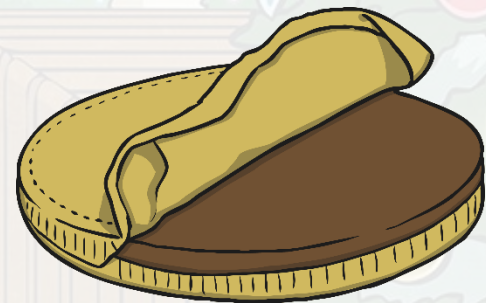


Christmas Chocolates

A chocolate company makes three sizes of chocolate coins for each bag. A bag contains three large, five medium and eight small coins. If 7600 small coins are made, how many large and medium coins are needed to complete the bags?

2850 large

4750 medium



Mince Pies

Mr Wood is making mince pies for the Christmas fair:

Butter costs 85p per 250g

Plain flour costs 80p per 1.5kg

Sugar costs 75p per 500g

Mincemeat costs £1.80 per 822g

Mr Wood uses 2kg butter, 3kg flour, 1kg sugar and 2.466kg mincemeat to make his mince pies.
What is the total cost of making the pies?

£15.30



Festive Drinks

Five children buy some drink to make a Christmas punch for a party. They buy five cartons of cranberry juice for £1.15 each and three bottles of lemonade for 65p each. They share the cost. How much will each child pay?

£1.54



Christmas Puddings

The ingredients for Christmas pudding ice cream include:

4 eggs

100g sugar

175g Christmas pudding

300ml cream

Mr Wood has 700g pudding left over to make the ice cream for a party. How much of the other ingredients will he need?

16 eggs, 400g sugar, 1.2l cream



Christmas Tree Chocolate

Christmas tree chocolate decorations are sold in packs of 12 for £1.80 in a local shop. An online shop sells packs of 21 for £2.31. How much more expensive per decoration is it to buy the decorations in the local shop?

4p

