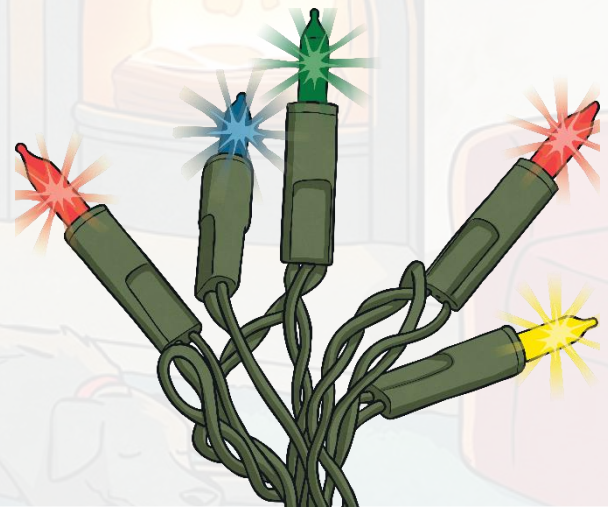# Christmas

Multiplication and Division
Multi-step Problems

twinkl

A box of Christmas tree lights contains 12 sets of lights. Each set of lights contains 75 LED lights. A shop buys four boxes. How many LED lights will there be in the four boxes?

Sets of six Christmas tree decorations are sold at a local shop for £2.49 per set. The shop buys the decorations in boxes which contain 32 sets and cost the shop £38.40. How much does each decoration cost on average for the shop to buy and for how much is each sold?

Santa Claus has a team of 143 elves. Each elf makes 29 presents each day and works five days a week. How many presents do the elves make each week?
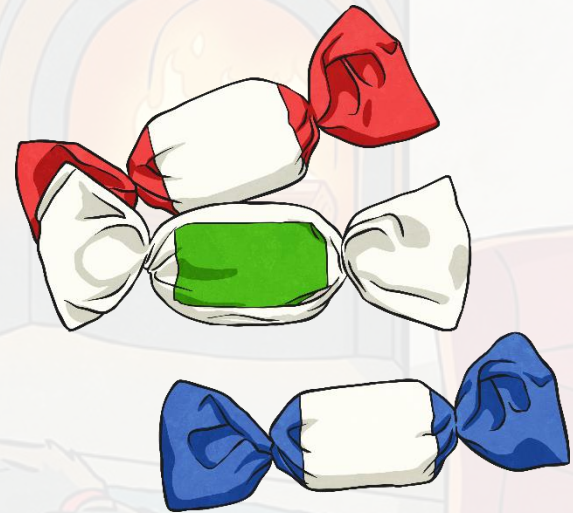
Christmas trees are grown in neat lines to ensure adequate space to grow and to make it easier to cut them down. Each of the seven areas of the Christmas trees contain 26 rows of 32 trees. How many trees are there altogether?

At a Christmas party, there are four bags of sweets. Each bag contains 12 packets, with each packet containing five sweets. The sweets are divided equally among 30 children. How many sweets does each child receive?

Leo wants to buy four of his friends a Christmas gift. He intends to buy each friend the same gift. He has £21.50 to spend. He has to choose between a CD for £5.40 and a computer game for £5.30. Explain what Leo will do.

A catalogue company makes small toys which schools can buy as gifts for their children. One school buys 30 toys for each of the eight classes. The toys cost 95p each. How much will they spend on the gifts?

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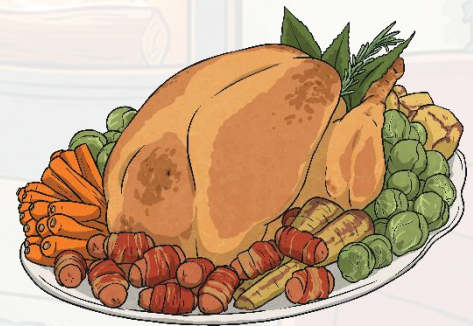
A market stallholder buys 75kg of Brussels sprouts to sell at Christmas. She divides the sprouts into 250g bags, which she sells for 35p each. At the end of the day, she has sold all of the bags. How much money has she collected by selling all of the Brussels sprouts?

A Christmas meal for homeless people is organised by a charity. 120 people are catered for. Explain how the tables could be organised so each table has the same number of people. No table can have more than 21 people or less than six people.

A greetings card company makes Christmas cards. The cards are sold in packs of 12. At the end of production, there are 678 cards left. How many complete packs can be made from these cards?
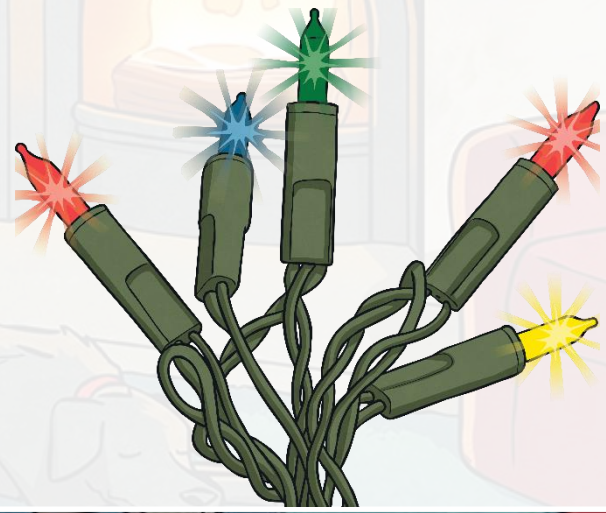
Answers on following slides

A box of Christmas tree lights contains 12 sets of lights. Each set of lights contains 75 LED lights. A shop buys four boxes. How many LED lights will there be in the four boxes?

3600 LED lights

Sets of six Christmas tree decorations are sold at a local shop for £2.49 per set. The shop buys the decorations in boxes which contain 32 sets and cost the shop £38.40. How much does each decoration cost on average for the shop to buy and for how much is each sold?

20p and 42p (rounded up from 41.5p)

Santa Claus has a team of 143 elves. Each elf makes 29 presents each day and works five days a week. How many presents do the elves make each week?
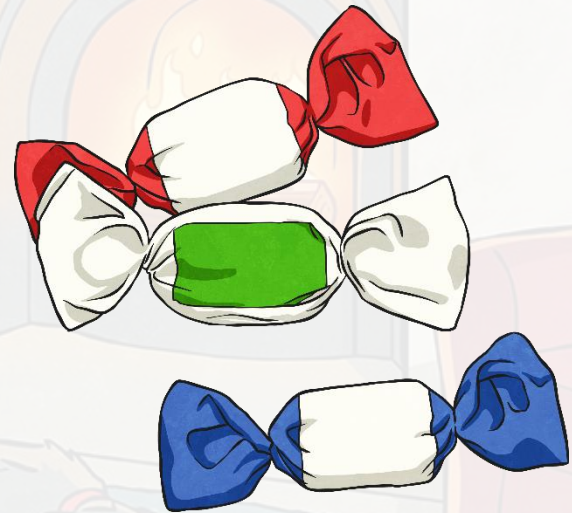
20 735 presents

Christmas trees are grown in neat lines to ensure adequate space to grow and to make it easier to cut them down. Each of the seven areas of the Christmas trees contain 26 rows of 32 trees. How many trees are there altogether?

5824 Christmas trees

At a Christmas party, there are four bags of sweets. Each bag contains 12 packets, with each packet containing five sweets. The sweets are divided equally among 30 children. How many sweets does each child receive?

8 sweets

Leo wants to buy four of his friends a Christmas gift. He intends to buy each friend the same gift. He has £21.50 to spend. He has to choose between a CD for £5.40 and a computer game for £5.30. Explain what Leo will do.

Four CDs will cost £21.60

Fours games will cost £21.20

He cannot afford the CDs so he will buy four games.

A market stallholder buys 75kg of Brussels sprouts to sell at Christmas. She divides the sprouts into 250g bags, which she sells for 35p each. At the end of the day, she has sold all of the bags. How much money has she collected by selling all of the Brussels sprouts?
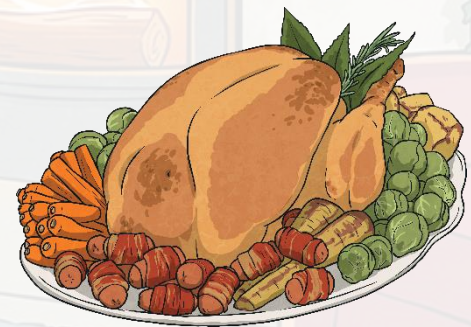
£105

A Christmas meal for homeless people is organised by a charity. 120 people are catered for. Explain how the tables could be organised so each table has the same number of people. No table can have more than 21 people or less than six people.

Six tables of 20 people, eight tables of 15 people, 10 tables of 12 people, 12 tables of 10 people, 15 tables of eight people, 20 tables of six people.

A greetings card company makes Christmas cards. The cards are sold in packs of 12. At the end of production, there are 678 cards left. How many complete packs can be made from these cards?

56 complete packs