

## Max's Spooky Calculation Challenge

*Learning objective: To apply Year 4 mathematical operations including multiplication, division, addition, and money calculations within a themed context.*

Read each card carefully. Help Max the monkey solve these spooky puzzles. Remember to show your working out where necessary.

Max has 4 boxes of pumpkin seeds. Each box contains 25 seeds. How many seeds does he have in total?

100 seeds ( $4 \times 25 = 100$ ).

Zara is painting patterns on 32 lanterns. She paints 4 lanterns every hour. How many hours will it take her to paint them all?

8 hours ( $32 \div 4 = 8$ ).

A bag of ghostly sweets costs £2.50. Kit wants to buy 3 bags. What is the total cost?

£7.50 ( $£2.50 \times 3 = £7.50$ ).

Pip collects 144 autumn leaves. He wants to share them equally among 12 friends. How many leaves does each friend receive?

12 leaves ( $144 \div 12 = 12$ ).

If a spider has 8 legs, how many legs would 11 spiders have in total?

88 legs ( $8 \times 11 = 88$ ).

Leo needs 500g of flour for a harvest cake. He has 275g. How much more flour does he need?

225g ( $500 - 275 = 225$ ).

Bea the bee finds 6 jars of honey. Each jar costs £4. If she pays with a £30 note, how much change should she receive?

£6 change ( $6 \times 4 = 24$ ;  $30 - 24 = 6$ ).

Nova counts 9 groups of 7 stars in the night sky. How many stars did Nova count?

63 stars ( $9 \times 7 = 63$ ).

If one pumpkin weighs 8kg, what would be the total weight of 9 pumpkins?

72kg ( $8 \times 9 = 72$ ).

Ellie has 88p. She spends 35p on a spooky sticker. How much money does she have left?

53p ( $88 - 35 = 53$ ).