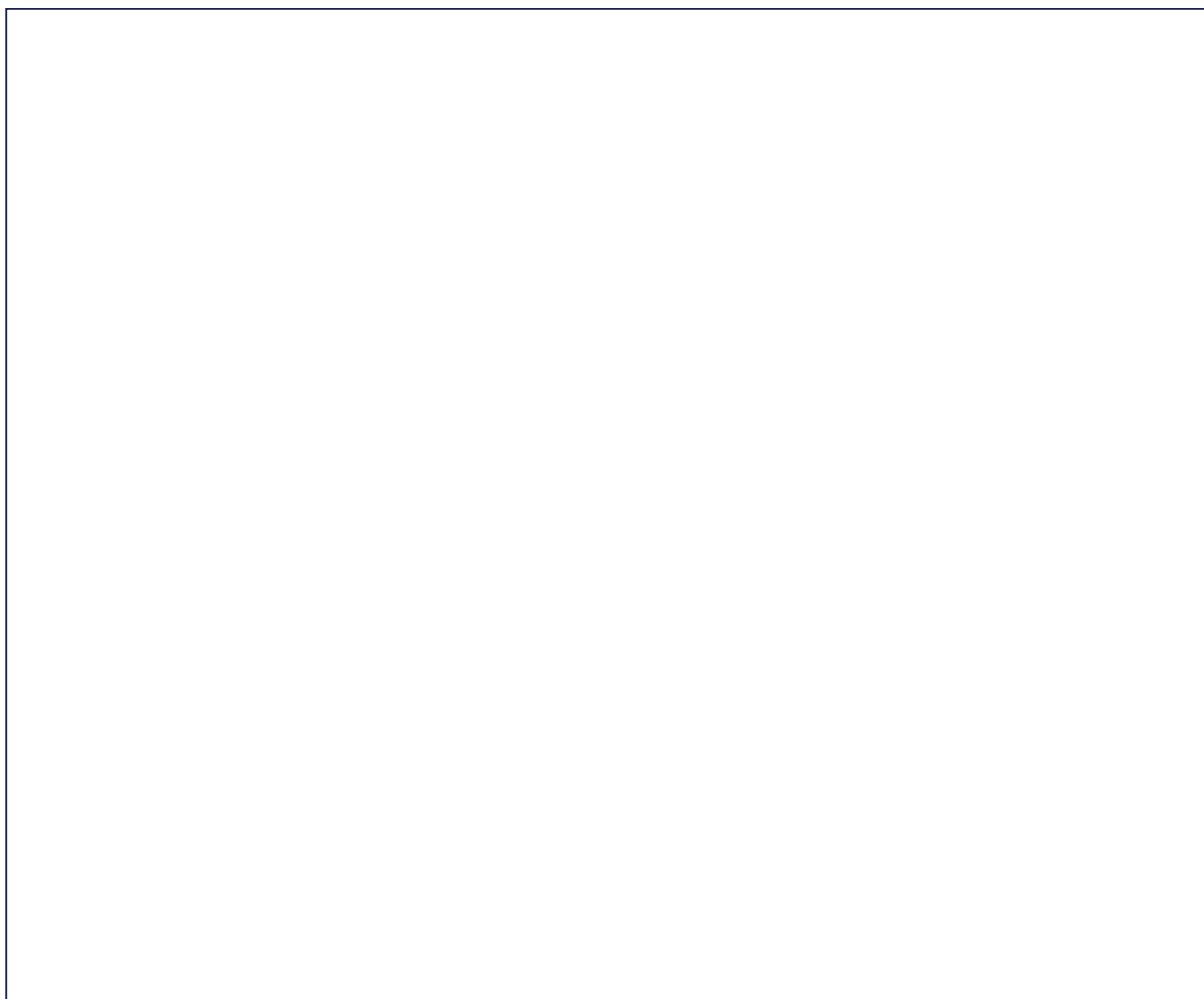


## Max's Easter Market Maths

*Learning objective: To apply mathematical reasoning to solve multi-step problems involving money, fractions, and patterns in an Easter context.*

Help Max the monkey organise his Easter stall. Use the grid provided to draw your designs, then solve the challenges by showing your working out clearly.

**Draw: Draw Max's Easter stall on a piece of graph paper. Include a display shelf with 12 circular eggs arranged in a row. Colour  $\frac{1}{4}$  of the eggs blue and  $\frac{3}{4}$  yellow. Above the stall, draw a triangular sign featuring a symmetrical pattern of zig-zags and dots. Use a ruler to ensure your shapes are geometric and neat.**



*Label words: Easter egg · Fraction · Total cost · Symmetry · Pattern · Change · Decimal point*

### Steps:

1. If Max sells 4 small eggs and 2 large eggs, what is the total cost? Show your calculation.
2. Max has 12 eggs in total. How many eggs have blue ribbons, and how many have yellow ribbons? Explain your reasoning.
3. If a customer pays for a £3.75 egg with a £10.00 note, how much change should Max give back?
4. Justify why it is important for Max to use a decimal point when writing the prices of his eggs.
5. Compare and contrast the cost of buying three small eggs versus one large egg. Which is better value for

money?

6. What might happen if Max decided to increase the price of all eggs by 50p? Calculate the new price of a large egg.