

## Max's Easter Eggstravaganza Maths Quiz

*Learning objective: To apply Class 4 mathematical skills including money, fractions, multiplication, and perimeter in an Easter-themed context.*

Help Max the monkey solve these Easter puzzles! Read each question carefully, show your working out, and remember to include the £ symbol for money questions.

Answer Key: 1. B (£4.50), 2. True, 3. 24, 4. C ( $\frac{1}{4}$ ), 5. False (It is 24cm), 6. 12, 7. £1.20, 8. True, 9. 64, 10. B (12).

*Word bank: perimeter · fraction · product · calculate · equivalent · total*

1. 1. Max buys 3 chocolate eggs for £1.50 each. What is the total cost? A) £3.50 B) £4.50\* C) £5.00 D) £4.00 (1 mark)

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2. 2. True or False:  $\frac{2}{8}$  is equivalent to  $\frac{1}{4}$ . (1 mark)

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3. 3. If an Easter basket holds 6 eggs, how many eggs are in 4 baskets? (1 mark)

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4. 4. Zara has 20 decorated eggs. She gives away 5. What fraction of her eggs did she give away? A)  $\frac{1}{2}$  B)  $\frac{1}{3}$  C)  $\frac{1}{4}$ \* D)  $\frac{1}{5}$  (1 mark)

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5. 5. True or False: A rectangular Easter card with sides of 8cm and 4cm has a perimeter of 12cm. (1 mark)

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6. 6. Max finds 48 eggs and divides them equally between 4 baskets. How many eggs are in each basket? (1 mark)

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7. 7. A pack of 5 hot cross buns costs £6.00. What is the cost of one bun? (1 mark)

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8. 8. True or False: The product of 9 and 3 is 27. (1 mark)

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9. 9. A giant chocolate rabbit weighs 128g. If you share it equally with a friend, how many grams do you get? (1 mark)

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10. 10. Which is the largest amount? A) £10.99 B) £12.00\* C) £11.50 D) £10.50 (1 mark)

**Draw:** Draw a basket containing 12 eggs. Shade  $\frac{1}{3}$  of the eggs to show how many Max has painted blue.



*Extension challenge: 1. Explain why you might choose to use division to solve the problem about sharing eggs between baskets. 2. Compare and contrast the methods you used to calculate the cost of one hot cross bun versus the total cost of the eggs. 3. Justify your answer: If Max has £10.00 and eggs cost £1.20 each, what is the maximum number of eggs he can buy and how much change will he have? 4. What might happen if the price of chocolate eggs increased by 50p? How would that change your calculation for 3 eggs? 5. Create your own word problem involving the perimeter of an Easter gift box and challenge a partner to solve it. 6. If you have 40 eggs and give away  $\frac{3}{8}$ , how many do you have left? Show your reasoning.*