

## KS1 Maths Quiz - Year 1 Fractions - Quarters (Questions)

*This quiz addresses the requirements of the National Curriculum KS1 Maths and Numeracy for children aged 5 and 6 in year 1. Specifically this quiz is aimed at the section dealing with recognising, finding and naming a quarter as one of four equal parts of an object, shape or quantity. It gently introduces them to fractions.*

Finding a quarter of a shape or set of objects is a progression from learning how to find a half. Children may relate finding a quarter to cutting objects into four equal parts, dividing by four or sharing groups into four equal amounts. Children should recognise that for the quarters to be accurate, all four parts or groups should be identical in size or amount.

1. **I buy a box of 8 eggs. I use a quarter of the eggs in a cake. How many eggs are left?**



- ☐ 2
- ☐ 16
- ☐ 6
- ☐ 4

2. **There are 24 chocolate buttons in a bag. I give a quarter to my sister. many will she get?**



- ☐ 6
- ☐ 8
- ☐ 4
- ☐ 16

3. **To find a quarter of 16 stars, you should...**



- ☐ Cut some out
- ☐ Share them into 4 equal groups
- ☐ Put them into 5 piles
- ☐ Put them in a bag

4. **Is this cake cut into quarters?**



- ☐ Yes, there are four pieces
- ☐ Yes, it has been shared between four people
- ☐ Yes, there are enough pieces for four people
- ☐ No, the four pieces aren't the same size

5. **Finding a quarter (or quartering) is the same as...**

- ☐ Subtracting 4
- ☐ Adding 4
- ☐ Multiplying by 4
- ☐ Dividing by 4

6. **To find a quarter of a cake, you should...**



- ☐ Cut it into 2 slices
- ☐ Cut it into 4 equal parts
- ☐ Share it with some friends
- ☐ Eat some and share the rest

7. What is a quarter of 12?



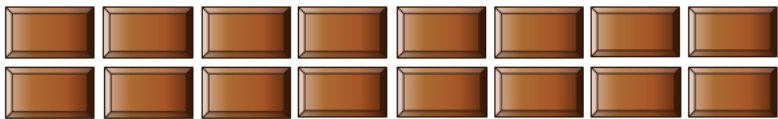
- ☐ 3
- ☐ 14
- ☐ 20
- ☐ 35

8. What is a quarter of 20?



- ☐ 24
- ☐ 4
- ☐ 15
- ☐ 5

9. What is a quarter of 16?



- ☐ 4
- ☐ 8
- ☐ 16
- ☐ 20

10. I have 16 stickers and I stick a quarter in my sticker book. How many have left?



- ☐ 16
- ☐ 4
- ☐ 8
- ☐ 12

1. I buy a box of 8 eggs. I use a quarter of the eggs in a cake. How many eggs are left?



- ☐ 2  
☐ 16  
☒ 6  
☐ 4

Using a quarter of the eggs would mean using two eggs, so 6 would be left

2. There are 24 chocolate buttons in a bag. I give a quarter to my sister. many will she get?



- ☒ 6  
☐ 8  
☐ 4  
☐ 16

$24 \div 4 = 6$ , so she would get 6 buttons

3. To find a quarter of 16 stars, you should...



- ☐ Cut some out  
☒ Share them into 4 equal groups  
☐ Put them into 5 piles  
☐ Put them in a bag

Each group should have exactly the same number of stars

4. Is this cake cut into quarters?



- ☐ Yes, there are four pieces  
☐ Yes, it has been shared between four people  
☐ Yes, there are enough pieces for four people  
☒ No, the four pieces aren't the same size

All four quarters of a shape must be identical

5. Finding a quarter (or quartering) is the same as...

- ☐ Subtracting 4  
☐ Adding 4  
☐ Multiplying by 4  
☒ Dividing by 4

Quartering means sharing into 4 equal groups or parts

6. To find a quarter of a cake, you should...



- ☐ Cut it into 2 slices  
☒ Cut it into 4 equal parts  
☐ Share it with some friends  
☐ Eat some and share the rest

The four quarters should be exactly the same size

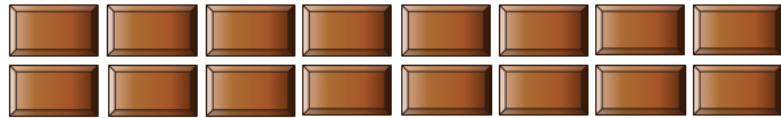
7. What is a quarter of 12?



- ☐ 3
- ☐ 14
- ☐ 20
- ☐ 35

12 shared into 4 equal groups gives 3 in each group, so a quarter of 12 is 3

9. What is a quarter of 16?



- ☐ 4
- ☐ 8
- ☐ 16
- ☐ 20

$16 \div 4 = 4$ , so a quarter of 16 is 4

8. What is a quarter of 20?



- ☐ 24
- ☐ 4
- ☐ 15
- ☒ 5

Sharing 20 into four equal groups would give 5 in each group

10. I have 16 stickers and I stick a quarter in my sticker book. How many have left?



- ☐ 16
- ☐ 4
- ☐ 8
- ☒ 12

A quarter of 16 is 4.  $16 - 4 = 12$