# Test answers - Multiplication and division: groups, doubling and sharing

Year: Year 1 · Duration: 20 minutes · /20

## Answer to Question 1 (4 marks)

a. Count the groups in the picture, one at a time: there are **4** groups. (1 mark)
b. Each group holds the same number of objects: **3** in each group. (1 mark)
c. Add one 3 for each of the 4 groups: **3 + 3 + 3 + 3**. (1 mark)
d. Count in 3s: 3, 6, 9, 12. There are **12** in all. (1 mark)

## Answer to Question 2 (4 marks)

a. Double means add the number to itself: 6 + 6 = **12**. (1 mark)
b. 9 + 9 = **18**. Tip: double 10 is 20, and 1 less twice is 18. (1 mark)
c. Half means 2 equal groups. 6 + 6 = 12, so half of 12 is **6**. (1 mark)
d. 10 + 10 = 20, so half of 20 is **10**. (1 mark)

## Answer to Question 3 (4 marks)

a. This counts in 2s: 2, 4, 6, **8**, 10. (1 mark)
b. This counts in 5s: 5, 10, 15, **20**. (1 mark)
c. This counts in 10s: 10, 20, **30**, 40. (1 mark)
d. Each hand has 5 fingers. Count in 5s for 3 hands: 5, 10, 15. So there are **15** fingers. (1 mark)

## Answer to Question 4 (4 marks)

a. There are 4 plates with 3 sweets on each. Count in 3s: 3, 6, 9, 12. There are **12** sweets. (1 mark)
b. Share 12 sweets between 4 children one at a time: each gets **3**, because 3 + 3 + 3 + 3 = 12. (1 mark)
c. Share 12 between 2 children: each gets **6**, because 6 + 6 = 12. (1 mark)
d. A child in the group of 2 gets 6 and a child in the group of 4 gets 3. 6 is more than 3, so **a child in the group of 2** gets more. (1 mark)

## Answer to Question 5 (4 marks)

a. Each box has 5 cars. Count in 5s for 3 boxes: 5, 10, 15. There are **15** cars. (1

mark)

b. Add the 5 cars in the bag: 15 + 5 = **20** cars in all. (1 mark)
c. Half of 20 is 10, because 10 + 10 = 20. So **10** cars are sold. (1 mark)
d. Take the sold cars away: 20 − 10 = **10** cars left, the other half. (1 mark)