

Max's Division Challenge

Learning objective: To recall and use division facts for the 3, 4, 6, 7, 8, 9, and 11 times tables, and to solve division word problems.

Max the monkey has found a bunch of number puzzles! Use your division skills to help him solve them. Remember to show your working out.

Word bank: dividend · divisor · quotient · remainder · share

1. Solve these quick division facts:

a) $36 \div 4 =$

b) $54 \div 6 =$

c) $72 \div 8 =$

d) $99 \div 11 =$ (4 marks)

2. Max has 42 bananas and wants to share them equally between 6 friends. How many bananas does each friend get? (2 marks)

3. A box of pencils costs £24. If there are 3 pencils in each pack, how many packs are there in the box? (2 marks)

4. Calculate $84 \div 4$ using a written method (such as short division). (3 marks)

5. Zara the zebra has 45 colored pencils. She puts them into pots of 7. How many pencils are left over? (2 marks)

6. If $7 \times 8 = 56$, use this fact to solve $56 \div 7$ and $56 \div 8$. (2 marks)

Draw: Draw an array of 24 stars and circle them in groups of 6 to show $24 \div 6$.



Extension challenge: Can you solve this challenge? Max has 135 stickers. He wants to share them equally between 5 friends. How many stickers will each friend receive?