

Max's Magnificent Fractions Challenge

Learning objective: To identify, compare, and calculate fractions, including equivalent fractions and mixed numbers, in line with Year 5 expectations.

Join Max the Monkey as he sorts his fruit stash! Read each question carefully and circle the correct answer or write your response in the space provided.

Answer Key: 1. C, 2. B, 3. True, 4. $\frac{4}{10}$, 5. $1\frac{1}{4}$, 6. False, 7. $\frac{1}{4}$, 8. $\frac{12}{5}$, 9. $\frac{3}{8}$, 10. True.

Word bank: numerator · denominator · equivalent · improper · mixed number · simplify

1. 1. Max has 10 bananas. He eats 2. What fraction does he have left in its simplest form? A) $\frac{8}{10}$ B) $\frac{4}{5}$ C) $\frac{4}{5}$ * D) $\frac{1}{5}$ (1 mark)

2. 2. Which of these fractions is equivalent to $\frac{1}{3}$? A) $\frac{2}{9}$ B) $\frac{3}{9}$ * C) $\frac{4}{10}$ D) $\frac{1}{6}$ (1 mark)

3. 3. True or False: $\frac{5}{2}$ is an improper fraction. (True/False) (1 mark)

4. 4. Write $\frac{2}{5}$ as a fraction with a denominator of 10. (1 mark)

5. 5. Convert the improper fraction $\frac{5}{4}$ into a mixed number. (1 mark)

6. 6. True or False: $\frac{3}{4}$ is smaller than $\frac{1}{2}$. (True/False) (1 mark)

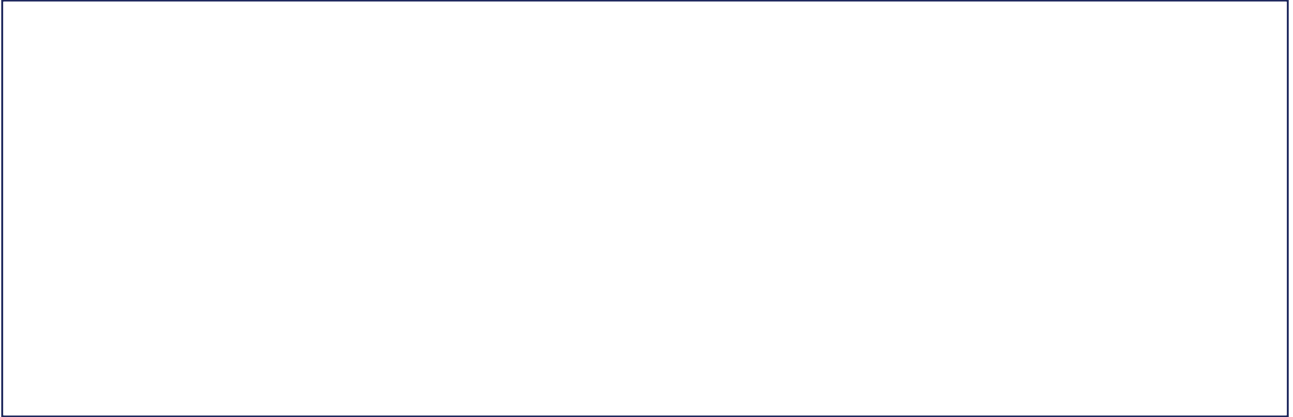
7. 7. Max finds 8 coins. He gives 2 to Pip. What fraction did he give away in its simplest form? (1 mark)

8. 8. Write 2.4 as an improper fraction. (1 mark)

9. 9. Calculate: $\frac{5}{8} - \frac{2}{8} = ?$ (1 mark)

10. 10. True or False: To add fractions with the same denominator, you only add the numerators. (True/False) (1 mark)

Draw: Draw a picture of Max the Monkey sharing a large, circular fruit tart divided into 8 equal slices, showing that he has eaten 3 slices.



Extension challenge: Max has £10.00. He spends $\frac{3}{5}$ of his money on a new puzzle book. How much money does he have left? Show your working out!