

Max's Magnificent Fraction Challenge

Learning objective: To add, subtract, and multiply fractions, including fractions with different denominators and mixed numbers.

Help Max the monkey solve these maths puzzles. Show your working out clearly for each question. Remember to simplify your answers where possible.

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

1. Max has $\frac{3}{4}$ of a bag of monkey nuts and finds another $\frac{1}{8}$ of a bag. How much does he have in total? Give your answer as a fraction. (2 marks)

2. Calculate $\frac{5}{6} - \frac{1}{3}$. Show how you find a common denominator to solve this. (2 marks)

3. Max wants to share $\frac{4}{5}$ of a basket of fruit equally between 2 monkeys. What fraction of the basket does each monkey receive? (2 marks)

4. Calculate $\frac{2}{3}$ multiplied by $\frac{3}{4}$. Simplify your final answer to its lowest terms. (2 marks)

5. Max buys a snack for £1 $\frac{1}{2}$ and a drink for £2 $\frac{3}{4}$. How much does he spend in total? Give your answer as a mixed number. (2 marks)

Draw: Draw a circular pizza divided into eighths. Colour in $\frac{5}{8}$ of the pizza to show Max's lunch.



Extension challenge: Max has a piece of rope that is $2 \frac{1}{4}$ metres long. He cuts off $\frac{5}{6}$ of a metre to make a swing. How much rope is left? Explain your method.