

Max the Monkey's Fraction Feast

Learning objective: To identify, name, and write equivalent fractions and compare fractions with denominators that are multiples of the same number.

Help Max solve these fraction puzzles. Show your working out clearly in the space provided.

Max the monkey is organising a fruit picnic for his friends. He has bowls of fruit that need to be shared equally. Use your knowledge of fractions to help Max distribute the snacks fairly.

Word bank: numerator · denominator · equivalent · fraction · multiple · simplify

1. Max has 12 bananas. He gives 4 to Pip. What fraction of the bananas did Pip receive? Give your answer in its simplest form. (2 marks)

2. Nova the owl has $\frac{2}{5}$ of a bag of walnuts. If Max has an equivalent fraction that has a denominator of 10, what is the numerator of Max's fraction? (2 marks)

3. Ellie the elephant has $\frac{3}{4}$ of a melon, and Leo the lion has $\frac{7}{8}$ of a melon. Use the $<$, $>$ or $=$ symbols to compare their portions: $\frac{3}{4}$ ____ $\frac{7}{8}$. (2 marks)

4. Zara the zebra buys a box of 20 mangoes. She gives $\frac{5}{20}$ to her friends. Write this fraction in its simplest form. (2 marks)

5. If a bag of mixed nuts costs £4.00, how much would $\frac{3}{4}$ of the bag cost? Show your calculation. (3 marks)

Draw: Draw a large circle representing a giant pizza. Divide it into 8 equal slices. Colour $\frac{3}{8}$ of the pizza red for tomatoes and $\frac{4}{8}$ of the pizza green for spinach.



Extension challenge: Max has 30 pieces of fruit. He keeps $\frac{1}{3}$ of them for himself and shares the rest equally among 5 friends. How many pieces of fruit does each friend get? Explain your method.