Fractions









Morning Task

Use the column method to solve: $32+25 = 56+38 = 57-25 = 61-19 = 10 \times 5 = 35 \div 5 =$



¹/₂ Of 30 = ¹/₄ of 12 = ¹/₃ of 15 =

Create two fact families: One + and – One x and ÷

Anchor Task

Find one half, one third and one quarter of 12.



Review: Unit fractions Can you write a fraction? Can you name the different parts?



The denominator tells us...

The numerator tells us...

how many equal groups we split the whole into.

how many parts of the whole we have.

Explore: Unit fractions

What fractions are shown below? Explain how you know.



Explore: Unit fractions

What is the same and what is different about these fractions?



These are all unit fractions. Unit fractions are 1 part of the whole.

Independent Task: Unit fractions

Colour the 12 squares to match the unit fractions. Which is the largest and smallest fraction?



Independent Task: Unit fractions

Colour the 12 squares to match the unit fractions. Which is the largest and smallest fraction?



Guided Task: Unit fractions Do you agree with Hannah? Explain using shapes and pictures.

When the denominator gets larger, the fraction gets smaller.



Guided Task: Unit fractions Which is the odd one out? Can you explain why?



The others all show 1/4. This is 1/3.

Guided Task: Unit fractions

Here is 1/4 of a total of pencils. What is the total number of pencils?







What is 1/3 of the total?

Independent Task: Unit fractions

Varied Fluency 1 Colour the shapes to create unit-fractions.

Write each fraction.

<u>Reasoning 1</u> True or false? Can you prove it?

¹/₄ of the cakes is 4 cakes.



Independent Task: Unit fractions



Review

What did we learn?



These are all unit fractions. Unit fractions are 1 part of the whole.

What fractions are shown below? What is the same? What is different?



Unit fractions



In a unit fraction the numerator is 1.

Unit fractions



In a non-unit fraction the numerator is more than 1.

What do you notice?



What's the same? What's different?



What fractions are shown below? What is the same about these fractions?



If the numerator and denominator are the same, the fraction equals a whole.

Independent Task: Non-Unit fractionsSort the fractions into the table. $2 \\ \overline{4}$ $2 \\ \overline{2}$ $1 \\ \overline{3}$ $2 \\ \overline{4}$ $3 \\ \overline{3}$ $1 \\ \overline{2}$ $1 \\ \overline{4}$ $2 \\ \overline{3}$





Non-unit fractions Use the clues to work out each child's fraction. I have a unit My fraction is fraction. four quarters. Emma Amy Tom I have two parts shaded. ²/₄ 2

Independent Tasks: Non-unit fractions



Independent Tasks: Non-unit fractions









