

Year 6 Maths

Complete the activities below. Great revision of what we have been doing in class!

Fluency

Convert the following fractions into their decimal equivalents:

1. $\frac{1}{10}$ 2. $\frac{1}{5}$ 3. $\frac{3}{4}$ 4. $\frac{1}{20}$ 5. $\frac{1}{100}$ 6. $\frac{16}{20}$

Explain the method that you used and the relationship between fractions and division.

Complete the table:

$\frac{1}{8}$	$\frac{2}{8}$				
0.125		0.375			

Charlie divided 1 pizza into 5 pieces.

If he ate 2 pieces, what decimal fraction of the pizza did he eat?



Reasoning

Harry says:

$\frac{1}{2}$ is equivalent to 1.2

Is he correct?

Explain your answer in detail, not just by stating what $\frac{1}{2}$ is equivalent to.

Hannah says:

"If I divide 2 by 8, I get the same answer as if I divide 1 by 4"

Do you agree?

Explain your answer using diagrams or counters.

True or False SEP

0.3 is bigger than $\frac{1}{4}$.

Explain your reasoning.

Problem Solving

Write a unit fraction that has a value of less than 0.5.

Can you find 20 different unit fractions?

Curtis used $\frac{1}{3}$ of a can of paint to cover 3.5 square metres of wall.



How much wall will one whole can of paint cover?

Pete shares 6 bananas between some friends.



Each friend gets 0.75 of a banana.

How many friends does he share the bananas with?