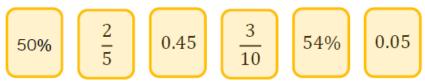
#### Maths 09.02.21

 $\blacksquare$  Use <, > or = to complete the statements:



Order from smallest to largest:



Four friends share a pizza. Whitney eats 35% of the pizza, Teddy eats 0.4 of the pizza, Dora eats 12.5% of the pizza and Alex eats 0.125 of the pizza.

Write the amount each child eats as a fraction.
Who eats the most? Who eats the least? Is there any left?

### **Challenge 1**

In his first Geography test, Mo scored 38%

In the next test he scored  $\frac{16}{40}$ 

Did Mo improve his score?

Explain your answer.

## **Challenge 2**

Which month did Eva save the most money?

Estimate your answer using your knowledge of fractions, decimals and percentages.

Explain why you have chosen that month.

In January, Eva saves  $\frac{3}{5}$  of her £20 pocket money.





In February, she saves 0.4 of her £10 pocket money.

In March, she saves 45% of her £40 pocket money.



#### **Answers**



Use <, > or = to complete the statements:

$$0.23 \left<\right> 24\% \left<\right> \frac{1}{4}$$

$$37.6\%$$
  $\Rightarrow \frac{3}{8}$   $\Rightarrow 0.27$ 



Order from smallest to largest:



Four friends share a pizza. Whitney eats 35% of the pizza, Teddy eats 0.4 of the pizza, Dora eats 12.5% of the pizza and Alex eats 0.125 of the pizza.

Write the amount each child eats as a fraction. Who eats the most? Who eats the least? Is there any left?

Teddy = 0.4 = 
$$\frac{2 \times 16}{5 \times 16} = \frac{32}{80}$$

Dora = 12.5/ = 
$$\frac{1 \times 10}{8 \times 10} = \frac{10}{80}$$

$$A1ex = 0.125 = \frac{1 \times 10}{8 \times 10} = \frac{10}{80}$$

Toddy ate the most.

Dora, Alex ate the least.

There is nothing left.

## **Challenge 1**

In his first Geography test, Mo scored 38%

In the next test he scored  $\frac{16}{40}$ 

Did Mo improve his score?

Explain your answer.

Mo improved his score.

16/40 is equivalent to 40% which is greater than his previous score of

38%

# **Challenge 2**

Which month did Eva save the most money?

Estimate your answer using your knowledge of fractions, decimals and percentages.

Explain why you have chosen that month.

In January, Eva saves  $\frac{3}{5}$  of her £20 pocket money.





In February, she saves 0.4 of her £10 pocket money.

In March, she saves 45% of her £40 pocket money.



She saved the most money in March. Estimates: Over £10 in

January because  $\frac{3}{5}$  is more than half.
Under £10 in
February because she only had £10 to start with and 0.4 is less than half.

Nearly £20 in March because 45% is close to a half.