



10.02.21

Learning Objective~

- To solve problems involving the calculation of percentages [for example, of measures and such as 15% of 360] and the use of percentages for comparison.

Success Criteria~

- Divide amount/value by 100
- Multiply by % given
- Use place value column
- Apply knowledge of times tables.

Practise:

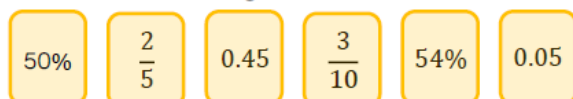
Use $<$, $>$ or $=$ to complete the statements:

$$60\% \bigcirc 0.6 \bigcirc \frac{3}{5}$$

$$0.23 \bigcirc 24\% \bigcirc \frac{1}{4}$$

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

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?

Reasoning:~

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 says,

To find 10% you divide by 10, so to find 50% you divide by 50

Do you agree? Explain why.



Eva says to find 1% of a number, you divide by 100

Whitney says to find 1% of a number, you divide by 10 and then by 10 again.

Who do you agree with?

Explain your answer.

Problem Solving:~

Complete the missing numbers.

$$50\% \text{ of } 40 = __\% \text{ of } 80$$

$$__\% \text{ of } 40 = 1\% \text{ of } 400$$

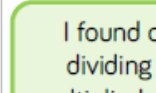
$$10\% \text{ of } 500 = __\% \text{ of } 100$$

Four children in a class were asked to find 20% of an amount, this is what they did:



Whitney

I divided by 5 because 20% is the same as one fifth



I found one percent by dividing by 100, then I multiplied my answer by 20

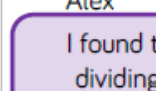


Amir



Alex

I did 10% add 10%



I found ten percent by dividing by 10, then I multiplied my answer by 2



Jack

Who do you think has the most efficient method? Explain why.

Who do you think will end up getting the answer incorrect?

