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% ◯ 0.6 ◯ $\frac{3}{5}$

0.23 ◯ 24% ◯ $\frac{1}{4}$

37.6% ◯ $\frac{3}{8}$ ◯ 0.27

Order from smallest to largest:

50%	$\frac{2}{5}$	0.45	$\frac{3}{10}$	54%	0.05

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% of 40 = ___% of 80

___% of 40 = 1% of 400

10% of 500 = ___% 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?


compassion
caring
courage