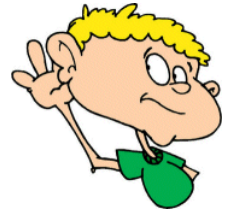


WALT: use our knowledge of converting fractions into decimals and percentages to problem solve.



Click on the following link and watch the problem solving clip.



You will need a **pencil and paper** or your **maths exercise book** to write down your calculations and answers to the problems as they arise.



The answers to each problem are attached below.

Good Luck!

<https://classroomsecrets.co.uk/free-year-6-percentages-consolidation-steps-1-2-and-3/>



ANSWERS to the Video Clip

1. Help Colin convert this fraction to a percentage.

Discuss how to convert fractions and percentages.

32%

2. What is 0.6 expressed as a fraction and as a percentage?

Discuss the place value of each digit. Discuss how to convert a decimal to a fraction and to a percentage.

$\frac{3}{5}$, 60%

3. What is 80% expressed as a fraction and as a decimal?

Discuss how to convert a percentage to a fraction and to a decimal.

$\frac{4}{5}$, 0.8

4. Which toy is the most popular? Which toy is the least popular?

Discuss how to order and compare the fractions, decimals and percentages when they are in different forms.

The most popular - Teddy, least popular - toy cars

5. What percentage of children may need to be sent back home?

Discuss what information is important. Discuss how to identify the percentage that may need to be sent home. This question is to reinforce percentage meaning per 100. This question is open-ended for children to explore.

Various answers, for example: 0.47 in house alone, $\frac{7}{20}$ housed together = 47% + 35% = 82%, 18% m

6. What is 0.625 expressed as a fraction and percentage?

Discuss how this can be changed into a fraction and a percentage.

Discuss the importance of simplifying the fraction.

62.5% and $\frac{5}{8}$