Year 6 Maths

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

Fluency

Write the fractions (in simplest form) and percentages that equivalent to the following decimals:

1. 0.65 **2.** 0.4 **3.** 0.32 **4.** 0.95 **5.** 0.125 **6.** 0.02

Tom and Sam shared equally one quarter of a chocolate bar.

What percentage of the chocolate bar did each child get?

Last month Kira saved $^{3}/_{5}$ of her £10 pocket money.
She also saved 15% of her £20 birthday money.

How much did she save altogether?
Explain why the pattern has formed.

Reasoning

Which is the odd one out?

$^{2}/_{5}$ $^{4}/_{10}$ $^{3}/_{6}$ $^{6}/_{15}$ 0.4

Explain why.

Put the following numbers into groups:

$^{3}/_{4}$, $^{3}/_{2}$, 0·5, 1·25, $^{3}/_{8}$, 0·125

Explain your choices.

Sharif says:

"All you do when converting percentages to decimals is put '0.' in front of the number e.g. 78% is 0.78."

Do you agree? Prove it!

Problem Solving

Three friends were competing in a race.

- Billy completed half of the race.
- Harrison completed 50% of what Billy completed
- Charlotte completed 0.25 of what Billy completed.

What fraction of the race did they each complete?

Write decimals and percentages on flash cards and have them face down.

In pairs, turn one over at a time.

The first person to write down 5 equivalent fractions to the decimal/percentage wins a point.