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| **Date:**  | **LO: Recall and use equivalences between simple fractions, decimals and percentages.** |



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.

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?

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

What percentage of the chocolate bar did each child get?

**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

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.**

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!**

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.

**Reasoning**

**Problem Solving**

**Fluency**