

27/1/21

LO: to order fractions, decimals and percentages.

So far this week we have:

- Revised ordering decimals
- Practised converting fractions into decimals (by dividing the numerator by the denominator)
- Practised turning percentages into decimals (by dividing by 100)

Today we are going to use these skills to put into order a combination of fractions, decimals and percentages.

Watch the quick loom link:

<https://www.loom.com/share/b62b7a7d326b4819b17194f043edbf2>

Have a go at this first problem:

In his first Geography test, Mo scored 38%

In the next test he scored $\frac{3}{8}$

Did Mo improve his score?

Explain your answer.

INDEPENDENT TASKS

LEVEL 1

Order the following decimals and percentages in ascending order:

- a) 87%, 0.45, 0.27, 33%, 0.03
- b) 27%, 0.269, 0.84, 38.5%, 0.3
- c) 112%, 1.11, 1.09, 91%, 97%
- d) 71%, 0.719, 1.09, 79.1%, 43%
- e) 33%, 0.341, 0.99, 76.21%, 0.3%

LEVEL 2

Order the following in ascending order:

- a) $\frac{1}{2}$, $\frac{2}{3}$, $\frac{3}{5}$, 0.55, 60%
- a) 0.31, $\frac{1}{3}$, $\frac{3}{10}$, 33.9%, 0.2333
- a) 0.98, $\frac{9}{10}$, $\frac{37}{38}$, $\frac{68}{69}$, 0.55, 60%
- d) $\frac{2}{5}$, 55%, 0.38, $\frac{9}{25}$, 0.08
- e) $\frac{10}{21}$, 48%, 0.5, $\frac{3}{7}$, 0.46

LEVEL 3

Order the following in ascending order:

- a) $\frac{3}{4}$, 70.5%, 0.07, $\frac{7}{10}$, 74%
- b) $\frac{1}{4}$, 0.249, 23%, 0.199, $\frac{9}{25}$
- c) $\frac{14}{93}$, 0.1, $\frac{4}{25}$, 0.159, 18%
- d) $\frac{15}{7}$, 200%, 2.2, $2\frac{1}{14}$, 2
- e) $\frac{80}{30}$, 260%, 2.8, $2\frac{3}{4}$, $2\frac{7}{8}$

Now choose the EASY, MEDIUM or HARD worksheet from the website to do some REASONING and PROBLEM SOLVING puzzles. Good luck!