Tuesday 16th June

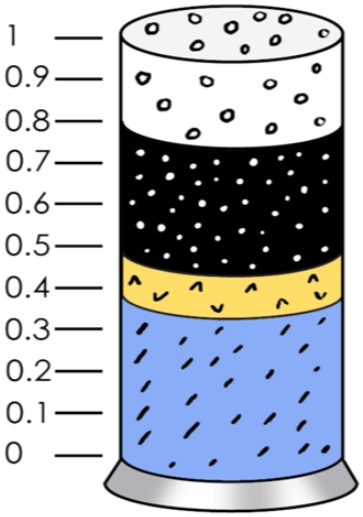
L.K: To recognise quantities as decimal tenths

Today's lesson will involve using and identifying decimal amounts of tenths. A decimal tenth is shown as 0.1. If this were a fraction, that would be 1/10 instead. Have a go at the starter question below:

How much of the sand is:

- blue
- yellow
- black
- white?

Can you give your answer as a decimal and as a fraction?

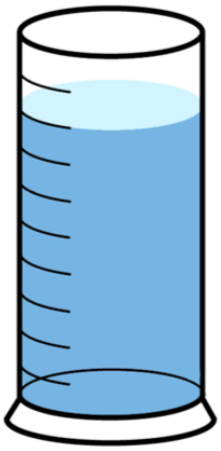


Now can you convert these fractions into decimals?

1) $\frac{4}{10}$
2) $\frac{2}{10}$
3) $\frac{3}{10}$
4) $\frac{9}{10}$
5) $\frac{2}{5}$

The container is divided into tenths.

What decimal of the container is full?



_____ tenths of the container is full.

As a decimal, _____ of the container is full.

Reasoning and Problem Solving

1) a) Sam buys a box of 10 nails. He uses 0.9 of the box to fit a door. What fraction of the box is still left?

   b) If Sam was to buy eight boxes of 10 nails and use $\frac{11}{20}$ of the eight boxes, then how many nails would Sam have left? What would this be as a decimal amount?

2) "John has a container of milk containing 1.5 litres. His friend has a container that holds 1.3 litres. Which container is bigger? How do you know?"

3) If John uses $\frac{1}{10}$ of his container per day, then how long will it take him to use the whole container? Why do you think this?

4) Why do you think that decimals are an important unit of measurement for us to use? Justify your reasoning using an example?