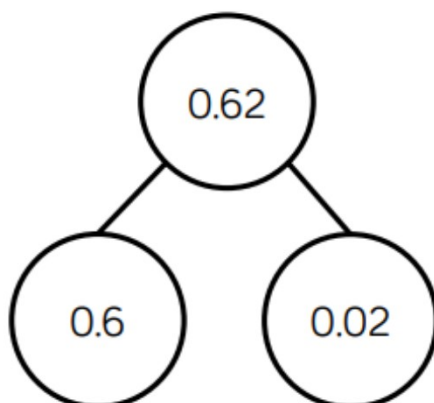


Monday

22/02/21

TBAT identify the value of decimal digits

Dexter says there is only one way to partition 0.62



Prove Dexter is incorrect by finding at least three different ways of partitioning 0.62

22/02/21

TBAT identify the value of decimal digits

Decimal Place Value Chart												
Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones	•	tenths	hundredths	thousandths	ten thousandths	hundred thousandths
M	HTh	TTh	Th	H	T	O	•	t	h	th	tth	hth
						7	•	2	0			
						7	•	0	2			
						0	•	0	7			

This zero is not needed

These zeros are needed to keep the tenths, hundredths and thousandths in the right column.

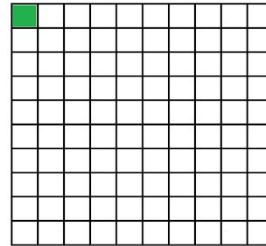
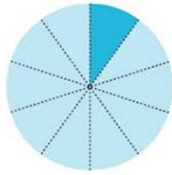
Tuesday

23/02/21

TBAT convert between decimals and fractions

Fractions and decimals are two ways to write the same thing: parts of a whole.

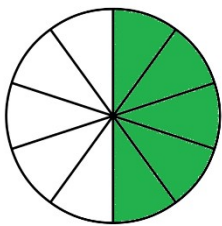
0.1 is the same as saying one tenth, or one of ten parts. Another way to write this is $\frac{1}{10}$



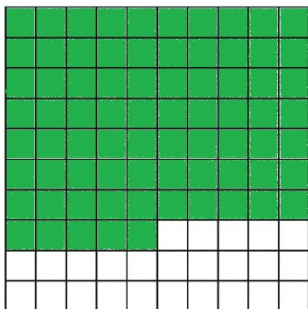
0.01 is one hundredth, or one of a hundred parts. Another way to write this is $\frac{1}{100}$

23/02/2021

TBAT convert between decimals and fractions



0.5 is the same as $\frac{5}{10}$. Can we convert the fraction?



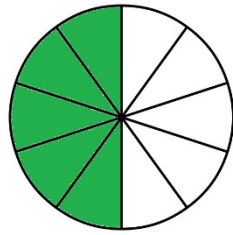
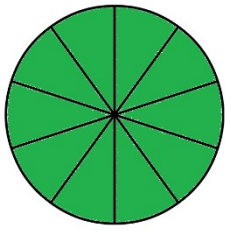
0.75 is the same as $\frac{75}{100}$

We can convert the fraction to $\frac{3}{4}$

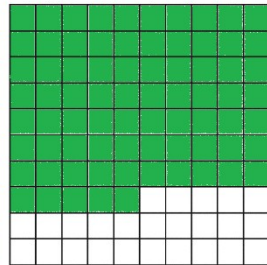
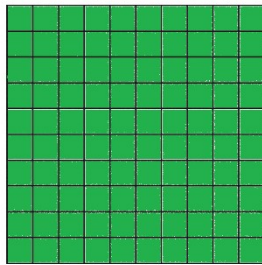
23/02/2021

TBAT convert between decimals and fractions

Sometimes, we have more than 1 whole



$$= 1 \frac{1}{2} \text{ or } 1.5$$



$$= 1 \frac{3}{4} \text{ or } 1.75$$

Wednesday

24/02/2021

TBAT understand percentages

Percent means 'by the hundred' so 100% equals one whole

1% is the same as saying '1 of 100' or $1/100$

To work out the percentage equivalent of a decimal number, you have to multiply the decimal by 100

$0.3 \times 100 = 30$ so 0.3 is the same as 30%

If you have a fraction, convert it into 100ths to find the percentage equivalent: $3/4$ is $75/100$, which is the same as 75%

Thursday

25/02/2021

TBAT convert between percentages, decimal numbers and fractions.



Would you rather have $\frac{1}{10}$, 15% or 0.2 of a cake? Why?

Mark has a bag of 150 sweets that he is going to share among 5 people. What percentage does each person get?