

Year 5,

Please check Education City for any maths tasks relating to this week's work. Remember, you can do the tasks (on Education City) as many times as you want- so if you want to try the activity again and improve your score at the end of the week, after all your incredible learning, you can do!

None of your maths work needs to be sent in to your teachers, there are answers at the end of each PowerPoint for you to self-mark.

You are doing a great job!

Starter

$$\frac{2}{3} \text{ of } 24 =$$

$$40\,000 - 600 =$$

$$\frac{3}{4} \times 3 =$$

Calculate the measurement of angle a



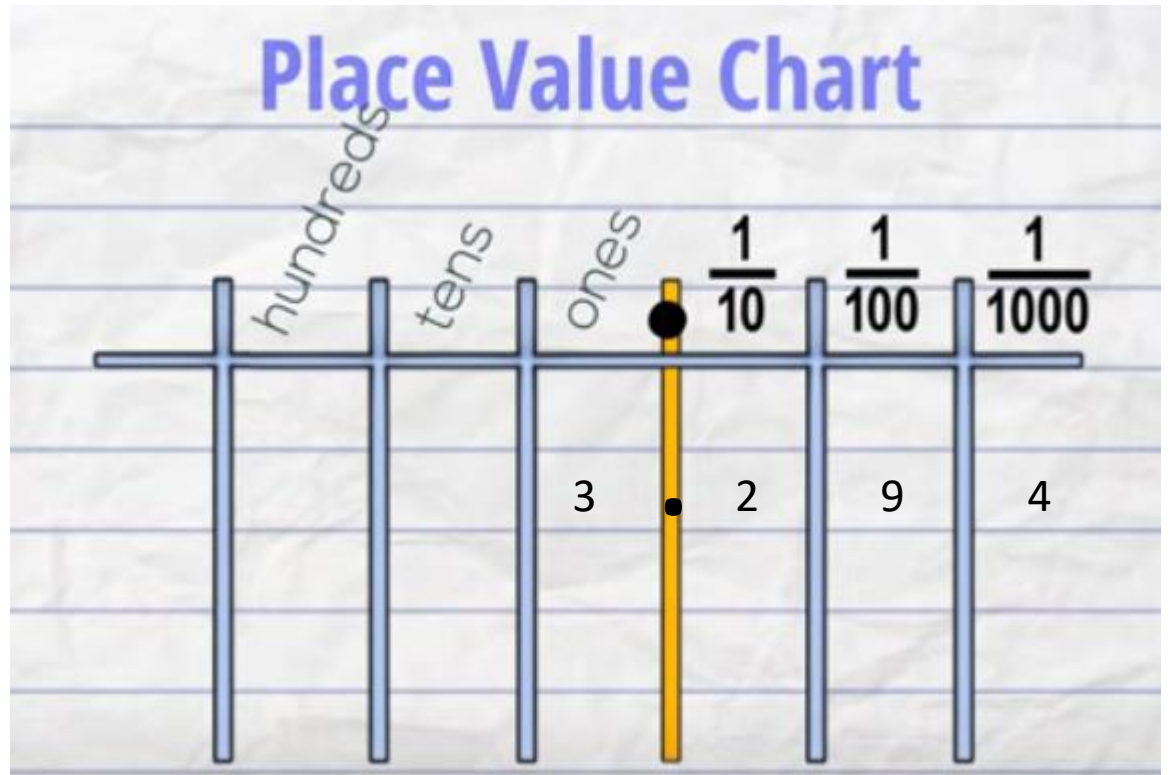
Decimals and fractions

0.13 has two decimal places therefore we're working with hundredths. Denominator is 100 and the numerator becomes 13.

$$\frac{13}{100}$$

3.294 has three decimal places therefore we're working with thousandths. So I know my denominator will be 1000 and my numerator will be 294. In the ones column, there is 3 so my whole number will be 3.

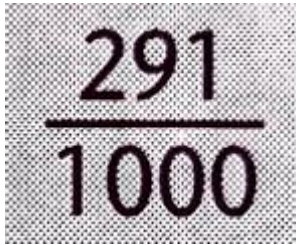
$$3 \frac{294}{1000}$$



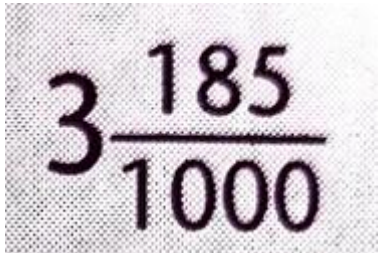
You can insert your decimal into the a place value chart to help you.

From a fraction to a decimal:

To convert from a fraction to decimal, divide the numerator by the denominator.

A handwritten fraction $\frac{291}{1000}$ on a textured background. The numerator 291 is above a horizontal line, and the denominator 1000 is below it.

$$291 \div 100 = 0.291$$

A handwritten mixed number $3\frac{185}{1000}$ on a textured background. The whole number 3 is to the left of a horizontal line, with the numerator 185 above it and the denominator 1000 below it.

When you have a mixed number fraction, convert it to an improper fraction and then divide the numerator by the denominator.

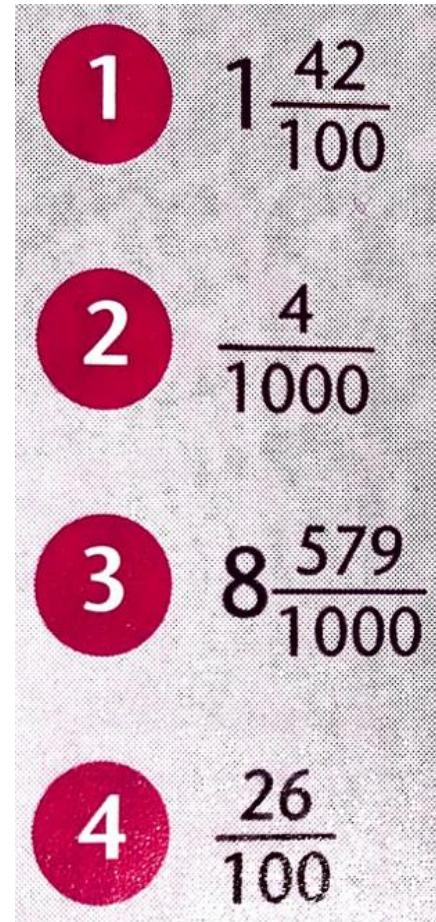
$$3185 \div 1000 = 3.185$$

Have a go at these, remember to refer back to slide 2 if you need help. Questions for mild and hot

Convert these decimals to fractions:

- 1) 0.47
- 2) 0.88
- 3) 3.246
- 4) 2.097

Convert to decimals:



1 $1\frac{42}{100}$

2 $\frac{4}{1000}$

3 $8\frac{579}{1000}$

4 $\frac{26}{100}$

MILD:

Fill in the blanks:

$$\boxed{} = \frac{65}{100}$$

$$\boxed{} = 0.88$$

$$0.2 = \boxed{}$$

0.65

88/100

2/10 or 1/5

- Match the decimal number to the equivalent fraction:

$$0.5 \qquad \frac{50}{100}$$

$$0.05 \qquad \frac{1}{2}$$

$$0.55 \qquad \frac{5}{100}$$

$$0.50 \qquad \frac{55}{100}$$

- Match the decimal number to the equivalent fraction:

$$0.5 \qquad \frac{50}{100}$$

$$0.05 \qquad \frac{1}{2}$$

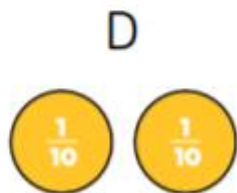
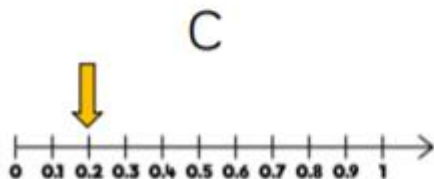
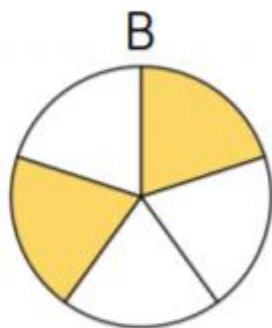
$$0.55 \qquad \frac{5}{100}$$

$$0.50 \qquad \frac{55}{100}$$

HOT:

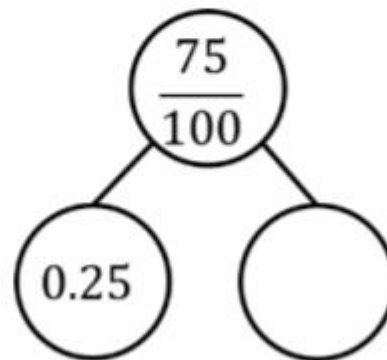
Odd one out

Which of the images below is the odd one out?



Explain why.

How many different ways can you complete the part-whole model using fractions and decimals?



ANSWERS

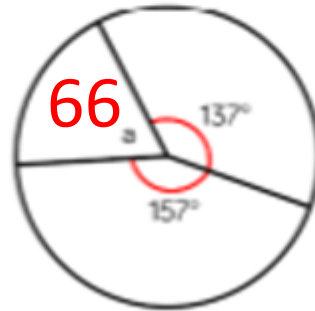
Starter

$$\frac{2}{3} \text{ of } 24 = 16$$

$$40\ 000 - 600 = 39400$$

$$\frac{3}{4} \times 3 = 2\frac{1}{4}$$

Calculate the measurement of angle a



ANSWERS

$$\frac{47}{100}$$

$$\frac{88}{100}$$

$$3\frac{246}{1000}$$

$$2\frac{97}{1000}$$

1) 1.42

2) 0.004

3) 8.579

4) 0.26

ANSWERS

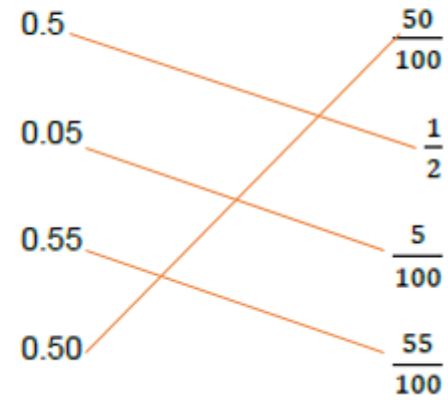
Mild:

0.65

$\frac{88}{100}$

$\frac{2}{10}$ or $\frac{1}{5}$

- Match the decimal number to the equivalent fraction:



ANSWERS

Hot:

B is the odd one out because it shows $\frac{2}{5}$, which is $\frac{4}{10}$ or 0.4

The other images show $\frac{2}{10}$ or 0.2

$$\frac{50}{100}$$

$$\frac{1}{2}$$

$$0.5$$