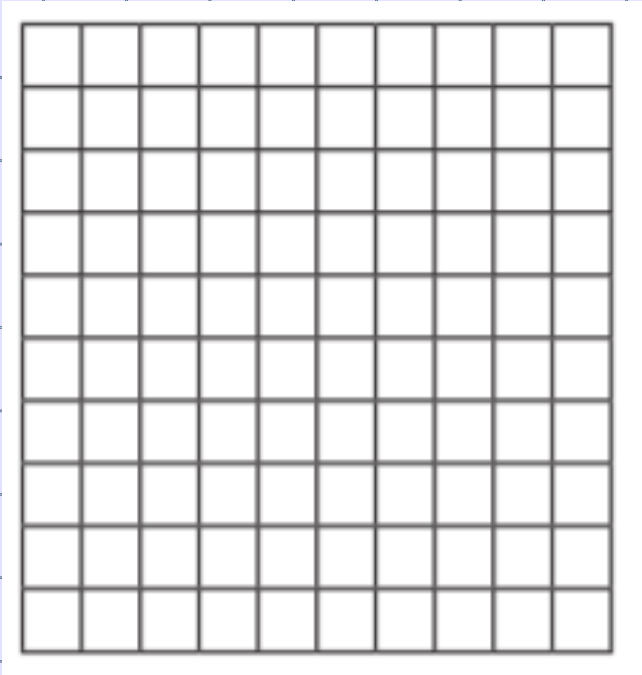


Starter

	x 10	x 100	x 1000
5.7			
23.02			
0.92			
0.306			
24.67			

LO: to convert fractions to decimals.

I
do



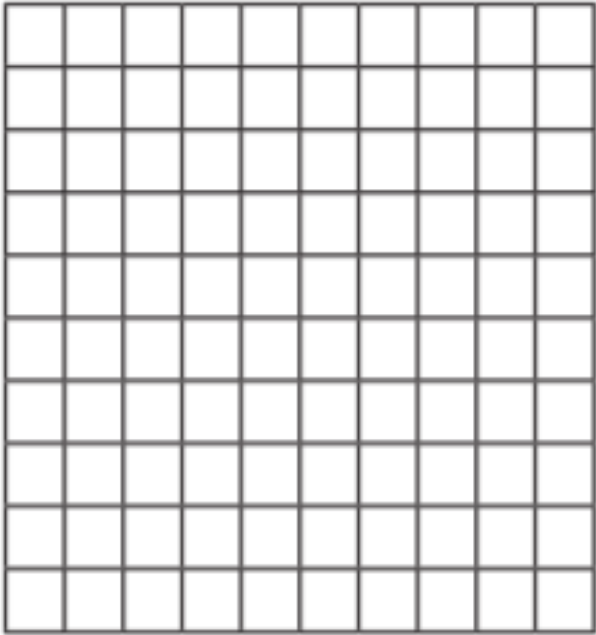
1 out of 100

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

one hundredth

0.01

I
do



67 out of 100

$$\frac{67}{100}$$

sixty seven
hundredths

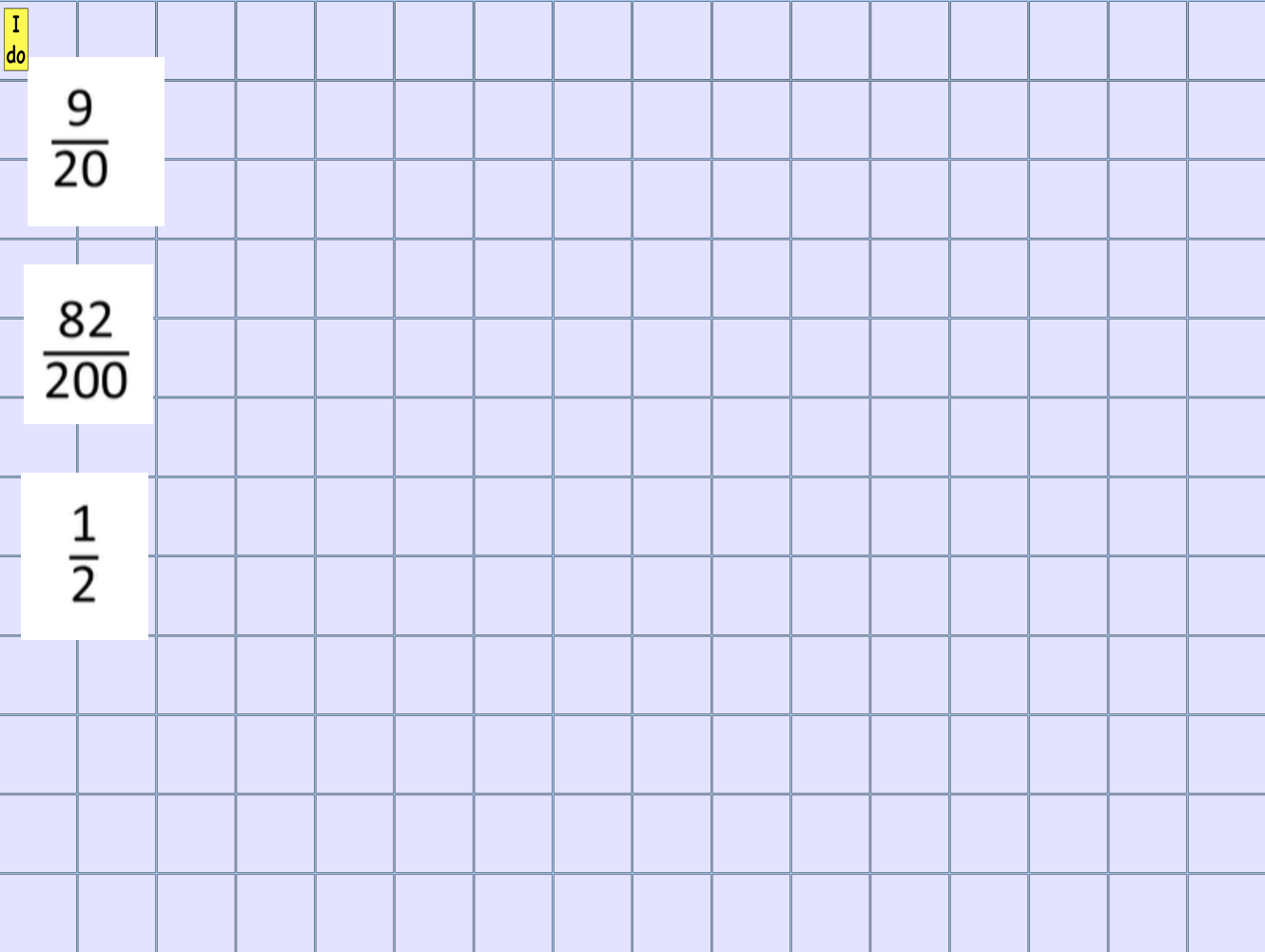
0.67

I
do

13

50

100



we
do

The diagram illustrates the conversion of the fraction $\frac{12}{50}$ to the decimal 0.24. It shows a circular process where the fraction $\frac{12}{50}$ is multiplied by 2 to get $\frac{24}{100}$, which is then converted to the decimal 0.24. The multiplication by 2 is indicated by arrows and the label $\times 2$ at the top and bottom of the circle.

$$\frac{12}{50} \xrightarrow{\times 2} \frac{24}{100} = 0.24$$

Explain how they got the answer of 0.24

Task 1

Copy in to
your books

you
do

$$\text{a) } \frac{28}{50} = \frac{\boxed{}}{100} = \boxed{}$$

$$\text{c) } \frac{9}{25} = \frac{\boxed{}}{100} = \boxed{}$$

$$\text{b) } \frac{6}{20} = \frac{\boxed{}}{100} = \boxed{}$$

$$\text{d) } \frac{24}{200} = \frac{\boxed{}}{100} = \boxed{}$$

Convert the fractions to their decimal equivalents.

$$\text{a) } \frac{1}{5} = \boxed{}$$

$$\text{b) } \frac{1}{20} = \boxed{}$$

$$\frac{1}{10} = \boxed{}$$

$$\frac{2}{20} = \boxed{}$$

$$\frac{1}{20} = \boxed{}$$

$$\frac{3}{20} = \boxed{}$$

$$\frac{1}{40} = \boxed{}$$

$$\frac{6}{20} = \boxed{}$$

0.5 is equivalent to $\frac{1}{2}$, $\frac{5}{10}$, $\frac{50}{100}$

Are these the only fractions that are equivalent to 0.5?

How many fractions can you find?

I
do

Tommy, Alex and Eva are working out the decimal equivalent of $\frac{60}{200}$



You need to convert it to have a denominator of 100 to find the decimal equivalent.

Tommy



I disagree. You need to convert it to have a denominator of 1,000

Alex



Both of you are right!

Eva

Who do you agree with? _____

Explain your thinking.

I
do

$$\frac{27}{500} = \frac{\boxed{}}{1000} = \boxed{}$$

$$\frac{62}{250} = \frac{\boxed{}}{1000} = \boxed{}$$

Task 2

Stick in to
your books

you
do

Tommy, Alex and Eva are working out the decimal equivalent of $\frac{60}{200}$

 Tommy: You need to convert it to have a denominator of 100 to find the decimal equivalent.

 Alex: I disagree. You need to convert it to have a denominator of 1,000

 Eva: Both of you are right!

Who do you agree with? _____
Explain your thinking.

