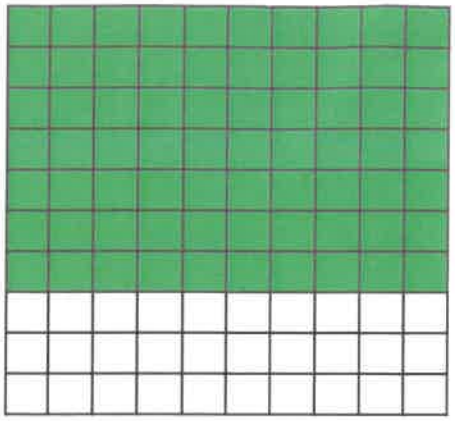
Decimal and Fraction Equivalents

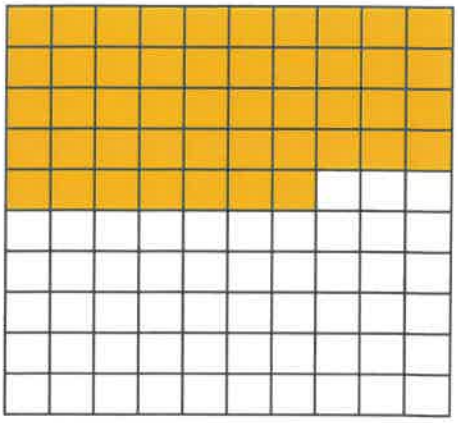
Starburst

1a. Write the amount shown as both a fraction and decimal.



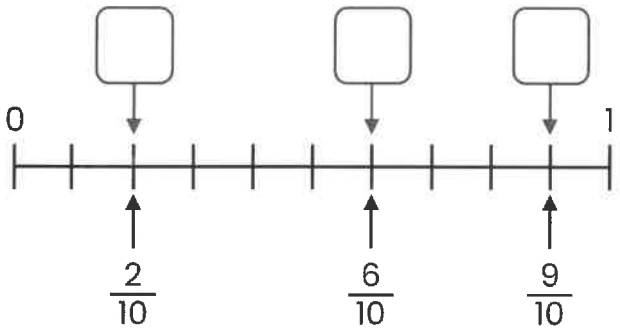
VF

1b. Write the amount shown as both a fraction and decimal.



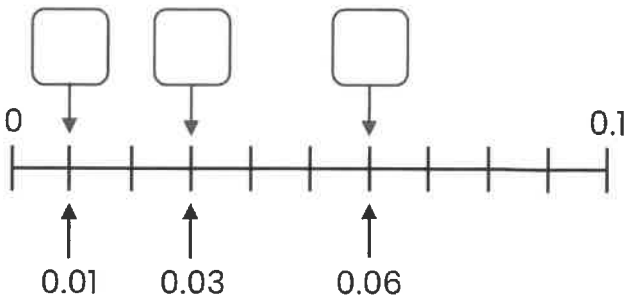
VF

2a. Fill in the boxes to show the equivalent decimals.



VF

2b. Fill in the boxes to show the equivalent fractions.



VF

3a. Circle the fractions that are equivalent to 0.6.

$\frac{6}{10}$ $\frac{6}{100}$

$\frac{4}{5}$ $\frac{3}{5}$

VF

3b. Circle the fractions that are equivalent to 0.25.

$\frac{2}{5}$ $\frac{25}{100}$

$\frac{1}{4}$ $\frac{4}{10}$

VF

Decimal and Fraction Equivalents

Mars

1a. Is Ruby correct? Convince me.

I know that 0.4 is equivalent to $\frac{4}{10}$, so 0.4 must also be equivalent to $\frac{2}{5}$.

R

1b. Is Felix correct? Convince me.

I know that 0.6 is equivalent to $\frac{6}{10}$, so 0.6 must also be equivalent to $\frac{1}{6}$.

R

2a. Circle the incorrect statement. Explain how you know it is incorrect.

$\frac{3}{5} = 0.9$

$\frac{3}{8} = 0.375$

R

2b. Circle the incorrect statement. Explain how you know it is incorrect.

$\frac{2}{4} = 0.5$

$\frac{3}{6} = 0.6$

R

3a. All three missing digits have a sum of 14.

$0.\square = \frac{\square}{\square}$

Find two possible combinations.

PS

3b. All three missing digits have a sum of 17.

$0.\square = \frac{\square}{\square}$

Find two possible combinations.

PS

Decimal and Fraction Equivalents

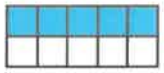
~~Starburst~~ Starmix

A1

Match the equivalent fractions and decimals.

$\frac{2}{10}$  0.5

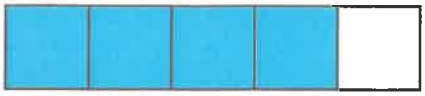
$\frac{3}{10}$  0.2

$\frac{5}{10}$  0.3

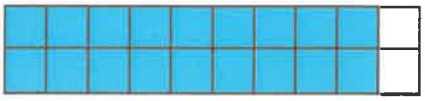
A2

Write the shaded amount as a fraction and a decimal.

1.



2.



A3

Write the decimal equivalents.

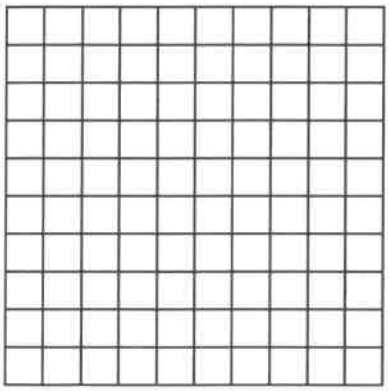
1. $\frac{3}{5}$

2. $\frac{1}{25}$

3. $\frac{2}{50}$

B1

Shade three fifths or 0.6.



B2

Match the equivalents.

$\frac{1}{20}$ 0.1

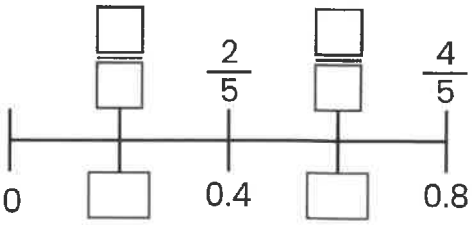
$\frac{1}{5}$ 0.05

$\frac{1}{4}$ 0.2

$\frac{1}{10}$ 0.25

B3

Complete the missing numbers.



C1

Complete the missing digits.

1. $\frac{\square}{4} = \frac{75}{100} = 0.\_\_$

2. $\frac{4}{5} = \frac{\square}{100} = 0.\_\_$

3. $\frac{12}{\square} = \frac{60}{100} = 0.\_\_$

4. $\frac{5}{20} = \frac{\square}{100} = 0.\_\_$

C2

Convert these decimals to simplified fractions.

1. 0.4 = $\frac{\square}{\square}$

2. 0.15 = $\frac{\square}{\square}$

3. 0.42 = $\frac{\square}{\square}$

4. 0.08 = $\frac{\square}{\square}$

C3

A school has 100 pupils, and $\frac{5}{25}$ of them bring a packed lunch. What fraction do not bring a packed lunch?

Give your answer as a simplified fraction and a decimal.

Classroom secrets

Equivalent Fractions, Decimals and Percentages

Milkyway

1. True or false? All the fractions below have been correctly converted to their equivalent decimals and percentages.

A. $\frac{1}{4} = 0.25 = 25\%$

B. $\frac{1}{2} = 0.05 = 50\%$

C. $\frac{2}{10} = 0.2 = 20\%$

D

VF
HW/Ext

2. Match the percentage to its equivalent decimal and fraction.

50%	0.5	$\frac{3}{4}$
75%	0.3	$\frac{1}{2}$
30%	0.75	$\frac{3}{10}$

D

VF
HW/Ext

3. Marco is comparing the amount of oranges there are in the boxes below.

He says,

Box B contains the most oranges.

Box A Box B Box C

Is Marco correct? Explain your answer.

D

RPS
HW/Ext

Equivalent Fractions, Decimals and Percentages

Galaxy

4. True or false? All the fractions below have been correctly converted to their equivalent decimals and percentages.

A. $\frac{4}{5} = 0.8 = 80\%$

B. $\frac{4}{10} = 0.4 = 40\%$

C. $\frac{5}{100} = 0.05 = 50\%$

E

VF
HW/Ext

5. Match the percentage to its equivalent decimal and fraction.

25%	0.6	$\frac{3}{5}$
60%	0.2	$\frac{2}{8}$
20%	0.25	$\frac{1}{5}$

E

VF
HW/Ext

6. Jackson is comparing the amount of apples there are in the boxes below.

He says,

Box A contains the most apples.

Box A Box B Box C

Is Jackson correct? Explain your answer.

E

RPS
HW/Ext

Equivalent Fractions, Decimals and Percentages

Galaxy.

7. True or false? All the fractions below have been correctly converted to their equivalent decimals and percentages, and have been shown in their simplest form.

A. $\frac{13}{20} = 0.65 = 65\%$

B. $\frac{35}{100} = 0.35 = 35\%$

C. $\frac{4}{8} = 0.5 = 50\%$

GD

VF
HW/Ext

8. Match the percentage to its equivalent decimal and fraction.

87.5%	0.375	$\frac{3}{20}$
37.5%	0.15	$\frac{7}{8}$
15%	0.875	$\frac{3}{8}$

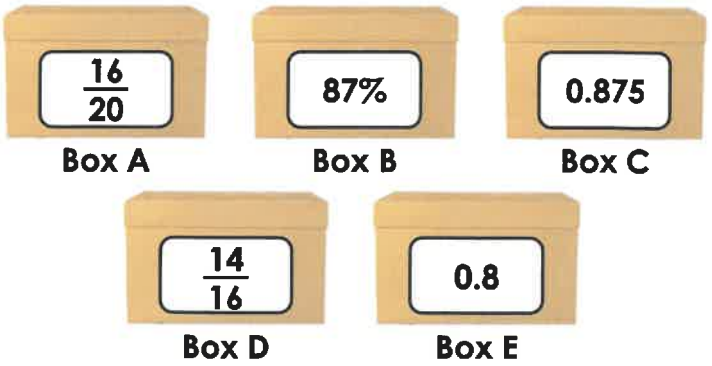
GD

VF
HW/Ext

9. Katrina is comparing the amount of peaches there are in the boxes below.

She says,

Only two boxes contain an equivalent amount of peaches to each other.



Is Katrina correct? Explain your answer.

GD

RPS
HW/Ext