

Read and Write Decimal Numbers as Fractions

KS2 Maths Practice Reasoning



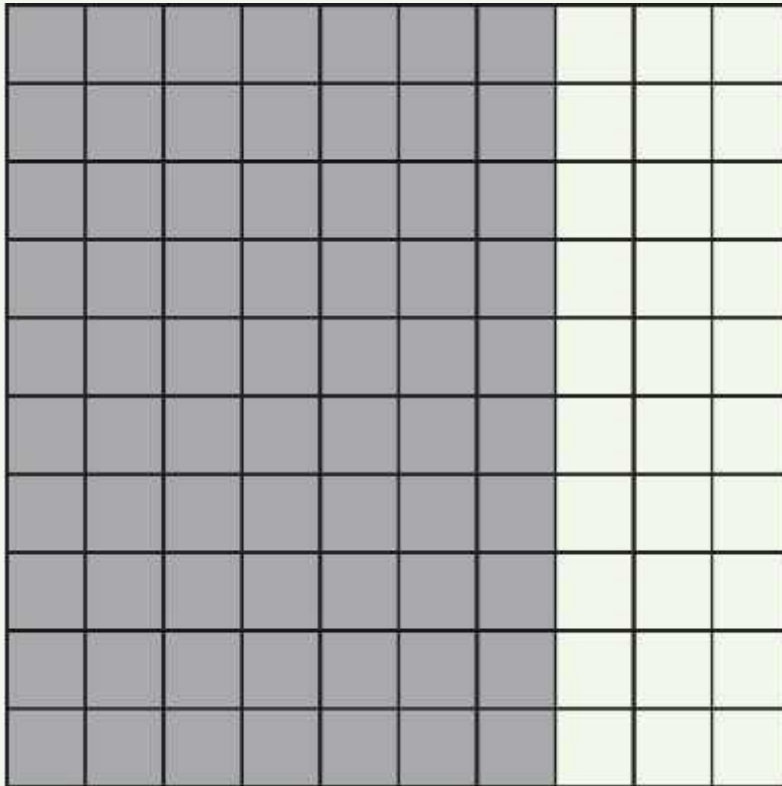
1

Complete the following table that matches fractions and their decimal equivalents.

$\frac{7}{10}$	
	0.86
$\frac{73}{100}$	
	0.101
$\frac{41}{1000}$	

2

Write the decimal number represented by this square and 3 possible fraction equivalents.



3

Write the following numbers as decimal fractions:

$$\frac{78}{1000} = \boxed{}$$

$$\frac{30}{1000} = \boxed{}$$

$$\frac{29}{1000} = \boxed{}$$

$$\frac{109}{1000} = \boxed{}$$

$$\frac{778}{1000} = \boxed{}$$

$$\frac{78}{1000} = \boxed{}$$

$$\frac{11}{1000} = \boxed{}$$

$$\frac{33}{1000} = \boxed{}$$

$$\frac{490}{1000} = \boxed{}$$

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

4

Write the following numbers as their equivalent fractions:

$0.48 =$

$0.057 =$

$0.397 =$

$0.101 =$

$0.71 =$

$0.019 =$

$0.83 =$

$0.205 =$

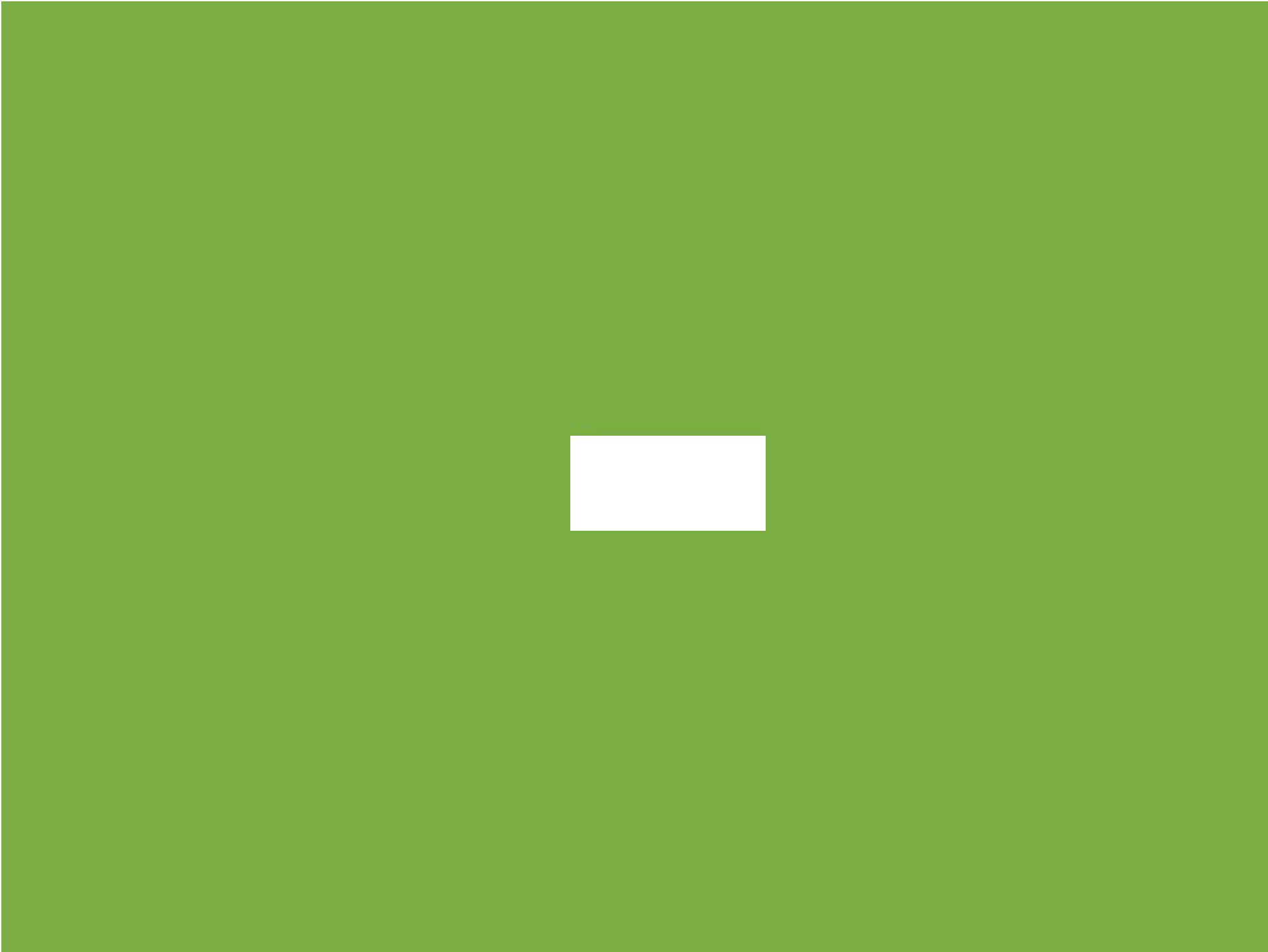
$0.9 =$

$0.03 =$

5

Complete the following table that matches fractions and their decimal equivalents.

Fraction	Tenths	Hundredths	Thousandths
$\frac{1}{2}$			
$\frac{1}{4}$			
$\frac{3}{4}$			



Name:

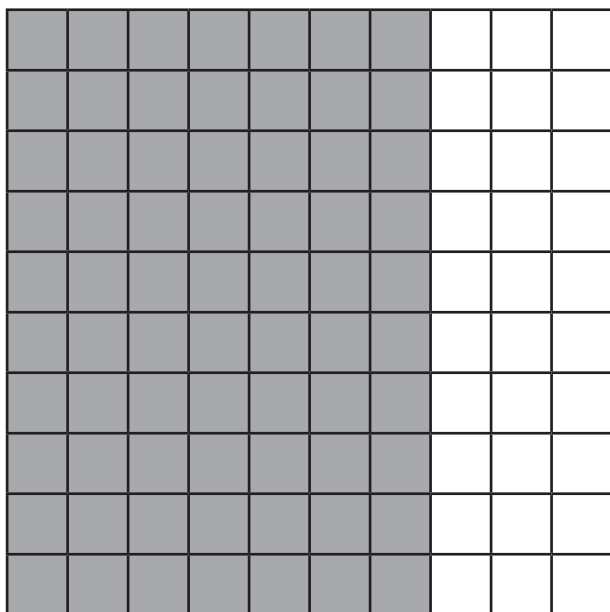
Date:

Key Stage 2 Maths Practice Reasoning: Read and Write Decimal Numbers as Fractions

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5. Complete the table to match equivalent fractions:

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Answer Sheet: Key Stage 2 Maths Practice Reasoning:

Read and Write Decimal Numbers as Fractions

question	answer	notes																
1	<table border="1"> <tr> <td>$\frac{7}{10}$</td> <td>0.7</td> </tr> <tr> <td>$\frac{86}{100}$</td> <td>0.86</td> </tr> <tr> <td>$\frac{73}{100}$</td> <td>0.73</td> </tr> <tr> <td>$\frac{101}{1000}$</td> <td>0.101</td> </tr> <tr> <td>$\frac{41}{1000}$</td> <td>0.041</td> </tr> </table>	$\frac{7}{10}$	0.7	$\frac{86}{100}$	0.86	$\frac{73}{100}$	0.73	$\frac{101}{1000}$	0.101	$\frac{41}{1000}$	0.041							
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2	$\frac{7}{10}$, $\frac{14}{20}$, $\frac{21}{30}$ or $\frac{70}{100}$ and 0.7																	
3	<table> <tr> <td>$\frac{78}{1000} = \mathbf{0.078}$</td> <td>$\frac{778}{1000} = \mathbf{0.778}$</td> </tr> <tr> <td>$\frac{109}{1000} = \mathbf{0.109}$</td> <td>$\frac{33}{1000} = \mathbf{0.033}$</td> </tr> <tr> <td>$\frac{11}{1000} = \mathbf{0.011}$</td> <td>$\frac{500}{1000} = \mathbf{0.5}$</td> </tr> <tr> <td>$\frac{490}{1000} = \mathbf{0.49}$</td> <td>$\frac{29}{1000} = \mathbf{0.029}$</td> </tr> <tr> <td>$\frac{30}{1000} = \mathbf{0.03}$</td> <td>$\frac{78}{1000} = \mathbf{0.78}$</td> </tr> </table>	$\frac{78}{1000} = \mathbf{0.078}$	$\frac{778}{1000} = \mathbf{0.778}$	$\frac{109}{1000} = \mathbf{0.109}$	$\frac{33}{1000} = \mathbf{0.033}$	$\frac{11}{1000} = \mathbf{0.011}$	$\frac{500}{1000} = \mathbf{0.5}$	$\frac{490}{1000} = \mathbf{0.49}$	$\frac{29}{1000} = \mathbf{0.029}$	$\frac{30}{1000} = \mathbf{0.03}$	$\frac{78}{1000} = \mathbf{0.78}$							
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