

Equivalent Fractions and Decimals –

Answers

Key Stage 2: 2003 Paper B

1.

12	Award TWO marks for both fractions correct as shown: $\frac{3}{6}$ OR $\frac{6}{12}$ If the answer is incorrect, award ONE mark for one fraction correct.	Up to 2m	Accept fractions written in either order.
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Key Stage 2: 2006 Paper A

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11	All numbers matched correctly as shown: 0.25 — $\frac{3}{4}$ 0.4 — $\frac{2}{10}$ 0.75 — $\frac{1}{4}$ 0.2 — $\frac{2}{5}$	1m	Do not award the mark if additional incorrect lines are drawn. Lines need not touch the numbers provided the intention is clear.
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Key Stage 2: 2009 Paper A

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22	Two fractions circled as shown: $\frac{2}{3}$ $\frac{6}{10}$ $\frac{9}{12}$ $\frac{10}{15}$ $\frac{6}{20}$	1m	Do not award the mark if additional incorrect fractions are circled. Accept alternative unambiguous indications, eg fractions ticked, crossed or underlined.
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Key Stage 2: 2012 Paper A

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23	Numbers in order as shown:	1m	Accept use of equivalent fractions, decimals or percentages, eg 0.34, 0.43, 0.7, 0.75
	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px 10px;">0.34</div> <div style="border: 1px solid black; padding: 2px 10px;">43%</div> <div style="border: 1px solid black; padding: 2px 10px;">0.7</div> <div style="border: 1px solid black; padding: 2px 10px;">$\frac{3}{4}$</div> </div>		

Key Stage 2: 2014 Paper B

1.

9	Fractions connected correctly to decimals as shown:	1m	

Key Stage 2: 2017 Paper 2 Reasoning

1.

20	<p>An explanation showing that 0.25 is less than $\frac{2}{5}$, e.g.</p> <ul style="list-style-type: none"> • $\frac{2}{5}$ is $0.4 > 0.25$ • 0.25 is $\frac{5}{20} < \frac{8}{20}$ • 0.25 is 25% and $\frac{2}{5}$ is 40% and 25% is smaller than 40% • 0.25 is a quarter. You need 8 quarters to make 2, but only 5 lots of $\frac{2}{5}$ to make 2 • $\frac{2}{5} = 0.4$ • $\frac{1}{4}$ is $\frac{1}{4}$ smaller than a half, but $\frac{2}{5}$ is only $\frac{1}{10}$ smaller, so $\frac{1}{4}$ is smaller than $\frac{2}{5}$ 	1m	<p>Do not accept vague, incomplete or incorrect explanations, e.g.</p> <ul style="list-style-type: none"> • Because $\frac{1}{4}$ is bigger than $\frac{2}{5}$ • Because $\frac{1}{4}$ comes first on a number line • Because 0.25 is $\frac{1}{4}$ <p>Accept $\frac{2.5}{10}$ as an equivalent to $\frac{1}{4}$ in an explanation when comparing to $\frac{4}{10}$</p>
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Key Stage 2: 2017 Paper 3 Reasoning

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17	<p>Award TWO marks for all four rows completed correctly as shown:</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; display: flex; justify-content: space-between; align-items: center;"> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; text-align: center;">$1\frac{1}{2}$</div> <div style="text-align: right;">1.2</div> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: right;">$1\frac{1}{4}$</div> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; text-align: center;">1.3</div> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: right;">$1\frac{5}{100}$</div> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; text-align: center;">1.4</div> </div> <div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-between; align-items: center;"> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; text-align: center;">$1\frac{3}{5}$</div> <div style="text-align: right;">1.5</div> </div> <p>If the answer is incorrect, award ONE mark for three rows completed correctly.</p>	Up to 2m	<p>Accept alternative unambiguous positive indications of the correct numbers, e.g numbers ticked.</p>
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Key Stage 2: 2018 Paper 2 Reasoning

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7	<p>Both boxes ticked, as shown:</p> <p style="text-align: center;">Tick two.</p> <div style="display: flex; flex-direction: column; align-items: flex-start;"> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="margin-right: 20px;">0.25</div> <div style="border: 1px solid black; padding: 2px 5px;"><input checked="" type="checkbox"/></div> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="margin-right: 20px;">0.75</div> <div style="border: 1px solid black; padding: 2px 5px;"><input type="checkbox"/></div> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="margin-right: 20px;">$\frac{25}{100}$</div> <div style="border: 1px solid black; padding: 2px 5px;"><input checked="" type="checkbox"/></div> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="margin-right: 20px;">0.5</div> <div style="border: 1px solid black; padding: 2px 5px;"><input type="checkbox"/></div> </div> <div style="display: flex; align-items: center;"> <div style="margin-right: 20px;">$\frac{2}{5}$</div> <div style="border: 1px solid black; padding: 2px 5px;"><input type="checkbox"/></div> </div> </div>	1m	<p>As pupils are told to select two boxes, alternative unambiguous positive indications, e.g. Y, of the correct answer are accepted.</p> <p>Both correct boxes must be ticked for the award of the mark. No additional boxes must be ticked.</p>
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Key Stage 2: 2019 Paper 2 Reasoning

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12	Both symbols correct, as shown: $\frac{7}{10}$ <input type="text" value=">"/> 0.07 $\frac{23}{1000}$ <input type="text" value="<"/> 0.23	1m	
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