

question	answer	marks	notes																
1. Compare and order fractions whose denominators are all multiples of the same number.																			
a	<table border="1"> <tr> <td>$\frac{1}{2}$</td> <td>=</td> <td>$\frac{5}{10}$</td> </tr> <tr> <td>$\frac{7}{16}$</td> <td>></td> <td>$\frac{3}{8}$</td> </tr> <tr> <td>$\frac{2}{3}$</td> <td><</td> <td>$\frac{9}{12}$</td> </tr> </table>	$\frac{1}{2}$	=	$\frac{5}{10}$	$\frac{7}{16}$	>	$\frac{3}{8}$	$\frac{2}{3}$	<	$\frac{9}{12}$	3								
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b	<table border="1"> <tr> <td>$\frac{3}{15}$</td> <td>$\frac{3}{10}$</td> <td>$\frac{2}{5}$</td> <td>$\frac{9}{20}$</td> </tr> </table>	$\frac{3}{15}$	$\frac{3}{10}$	$\frac{2}{5}$	$\frac{9}{20}$	1													
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2. Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths.																			
a	Two fractions from: $\frac{3}{8}$ and $\frac{6}{16}$	2	While other answers are equivalent to $\frac{9}{24}$, they are not represented by the diagram.																
b	$\frac{9}{15}, \frac{6}{10}, \frac{12}{20}$	3	All 3 correct for 3 marks. 2 correct and none incorrect for 2 marks 1 correct and none incorrect or 2 correct and one incorrect for 1 mark.																
3. Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, $\frac{7}{5} + \frac{4}{5} = \frac{11}{5} = 2 \frac{1}{5}$].																			
a	<table border="1"> <tr> <td>$\frac{14}{6}$</td> <td>$2 \frac{2}{6}$ or $2 \frac{1}{3}$</td> </tr> <tr> <td>$\frac{11}{4}$</td> <td>$2 \frac{3}{4}$</td> </tr> <tr> <td>$\frac{13}{4}$</td> <td>$3 \frac{1}{4}$</td> </tr> <tr> <td>$\frac{5}{3}$</td> <td>$1 \frac{2}{3}$</td> </tr> <tr> <td>$\frac{13}{3}$</td> <td>$4 \frac{1}{3}$</td> </tr> <tr> <td>$\frac{11}{5}$</td> <td>$2 \frac{1}{5}$</td> </tr> <tr> <td>$\frac{17}{6}$</td> <td>$2 \frac{5}{6}$</td> </tr> <tr> <td>$\frac{11}{2}$</td> <td>$5 \frac{1}{2}$</td> </tr> </table>	$\frac{14}{6}$	$2 \frac{2}{6}$ or $2 \frac{1}{3}$	$\frac{11}{4}$	$2 \frac{3}{4}$	$\frac{13}{4}$	$3 \frac{1}{4}$	$\frac{5}{3}$	$1 \frac{2}{3}$	$\frac{13}{3}$	$4 \frac{1}{3}$	$\frac{11}{5}$	$2 \frac{1}{5}$	$\frac{17}{6}$	$2 \frac{5}{6}$	$\frac{11}{2}$	$5 \frac{1}{2}$	8	
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b	$1 \frac{1}{6}$ $1 \frac{6}{12}$ or $1 \frac{1}{2}$	2																	
4. Add and subtract fractions with the same denominator, and denominators that are multiples of the same number.																			
a	$\frac{2}{10} + \frac{7}{10} = \frac{9}{10}$ $\frac{1}{3} + \frac{1}{6} = \frac{3}{6}$ or $\frac{1}{2}$	4																	
b	$\frac{6}{7} - \frac{3}{7} = \frac{3}{7}$ $\frac{7}{12} - \frac{1}{4} = \frac{4}{12}$ or $\frac{1}{3}$																		

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5. Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams.															
	$\frac{2}{3} \times 5 = 3 \frac{1}{3}$ $\frac{3}{8} \times 4 = 1 \frac{4}{8}$ or $1 \frac{1}{2}$ $2 \frac{1}{4} \times 3 = 6 \frac{3}{4}$	3													
6. Read and write decimal numbers as fractions [for example, $0.71 = \frac{71}{100}$].															
	<table border="1"> <tr> <td>0.51</td> <td>$\frac{51}{100}$</td> </tr> <tr> <td>0.7</td> <td>$\frac{7}{10}$</td> </tr> <tr> <td>0.12</td> <td>$\frac{12}{100}$</td> </tr> <tr> <td>0.04</td> <td>$\frac{4}{100}$</td> </tr> </table>	0.51	$\frac{51}{100}$	0.7	$\frac{7}{10}$	0.12	$\frac{12}{100}$	0.04	$\frac{4}{100}$	4					
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7. Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents.															
	0.031 $\frac{31}{1000}$ $\frac{9}{10}$	3													
8. Round decimals with 2 decimal places to the nearest whole number and to 1 decimal place.															
a	<table border="1"> <tr> <td>17.09</td> <td>17</td> </tr> <tr> <td>291.82</td> <td>292</td> </tr> <tr> <td>34.53</td> <td>35</td> </tr> <tr> <td>199.49</td> <td>199</td> </tr> <tr> <td>2652.14</td> <td>2652</td> </tr> </table>	17.09	17	291.82	292	34.53	35	199.49	199	2652.14	2652	5			
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9. Read, write, order and compare numbers with up to 3 decimal places.															
a	<table border="1"> <tr> <td>31.09</td> <td><</td> <td>31.9</td> </tr> <tr> <td>345.76</td> <td>></td> <td>345.759</td> </tr> <tr> <td>208.66</td> <td><</td> <td>208.666</td> </tr> <tr> <td>3001.03</td> <td><</td> <td>3001.12</td> </tr> </table>	31.09	<	31.9	345.76	>	345.759	208.66	<	208.666	3001.03	<	3001.12	4	
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10. Solve problems involving number up to 3 decimal places.																		
a	24.13cm	1																
b	5.91 inches	up to 2 marks	Award 1 mark for correct method where there is only one mistake in calculation.															
11. Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per 100', and write percentages as a fraction with denominator 100, and as a decimal fraction.																		
	<table border="1"> <tr> <td>50%</td> <td>$\frac{1}{2}$</td> <td>0.5</td> </tr> <tr> <td>25%</td> <td>$\frac{25}{100}$ or $\frac{1}{4}$</td> <td>0.25</td> </tr> <tr> <td>66%</td> <td>$\frac{66}{100}$</td> <td>0.66</td> </tr> <tr> <td>2%</td> <td>$\frac{2}{100}$ or $\frac{1}{50}$</td> <td>0.02</td> </tr> <tr> <td>80%</td> <td>$\frac{80}{100}$</td> <td>0.8</td> </tr> </table>	50%	$\frac{1}{2}$	0.5	25%	$\frac{25}{100}$ or $\frac{1}{4}$	0.25	66%	$\frac{66}{100}$	0.66	2%	$\frac{2}{100}$ or $\frac{1}{50}$	0.02	80%	$\frac{80}{100}$	0.8	5	allow 0.50 allow 0.80
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12. Solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those fractions with a denominator of a multiple of 10 or 25.																		
	Sports World £20	up to 2 marks	2 marks for each correct answer.															
	Football Heaven £18	up to 2 marks	1 mark for an incorrect answer if the correct percentage or fraction is calculated.															
		Total 60																