
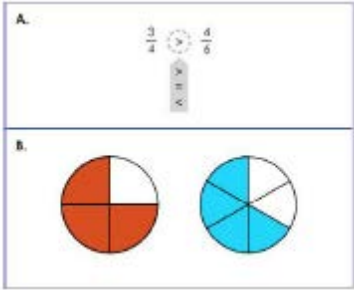


**Grade 4 Mathematics Sample Items
Answer Key**

Item #	Item Type	Point(s)	Standard	Rubric / Key	Scoring
1	Equation	1	4.OA.2	45	The correct response receives 1 point
2	Multi-Select	1	4.NF.4	<input type="checkbox"/> $3 \times \frac{2}{4}$ <input checked="" type="checkbox"/> $3 \times \frac{2}{12}$ <input type="checkbox"/> $\frac{5 \times 1}{12}$ <input checked="" type="checkbox"/> $6 \times \frac{1}{12}$ <input type="checkbox"/> $6 \times \frac{1}{2}$ <input checked="" type="checkbox"/> $\frac{6 \times 1}{12}$	The correct response receives 1 point
3	Grid	1	4.G.1		The correct response receives 1 point

Item #	Item Type	Point(s)	Standard	Rubric / Key	Scoring									
4	Table Input	2	4.MD.1	<table border="1"> <thead> <tr> <th>Type of Juice</th> <th>Amount Needed</th> <th>Number of Cups Needed</th> </tr> </thead> <tbody> <tr> <td>Orange</td> <td>6 pints</td> <td>12</td> </tr> <tr> <td>Pineapple</td> <td>2 quarts</td> <td>8</td> </tr> </tbody> </table>	Type of Juice	Amount Needed	Number of Cups Needed	Orange	6 pints	12	Pineapple	2 quarts	8	<p>A full-credit response includes:</p> <ul style="list-style-type: none"> The correct number of cups of orange juice (1 point) <p>AND</p> <ul style="list-style-type: none"> The correct number of cups of pineapple juice (1 point)
Type of Juice	Amount Needed	Number of Cups Needed												
Orange	6 pints	12												
Pineapple	2 quarts	8												
5	Grid	2	4.NF.2	<p>Exemplar</p>  <p>Other Correct Responses:</p> <ul style="list-style-type: none"> Part B: any 3 sections in the first model and any 4 sections in the second model can be selected. 	<p>A full-credit response includes:</p> <ul style="list-style-type: none"> A correct comparison (1 point) <p>AND</p> <ul style="list-style-type: none"> Two correct fraction models (1 point) 									