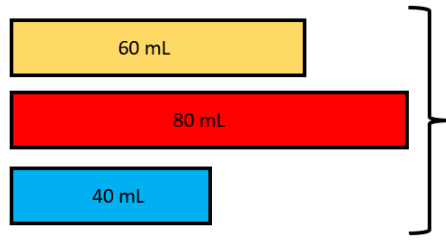
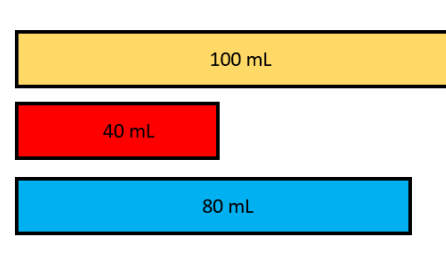
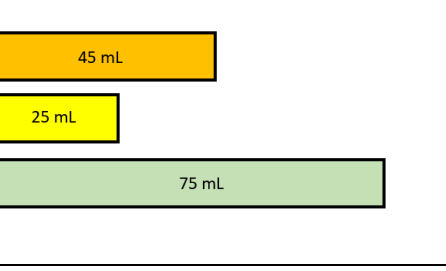
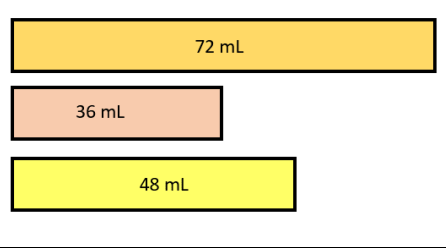
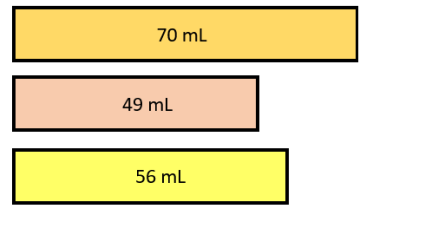
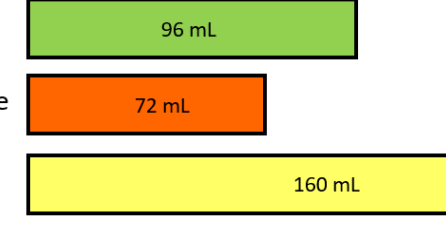


## Ratios: 3

Here are some mocktail recipes. Reduce each ratio to its simplest form.

<p>1. 'Sweet As' 60 mL of peach juice with 80 mL of strawberry juice and 40 mL of soda water.</p>	<p>Peach Strawberry Soda water</p>	
<p>2. 'Cool As' 100 mL of cucumber juice with 40 mL of lime juice and 80 mL of soda water.</p>	<p>Cucumber Lime Soda water</p>	
<p>3. 'Citric As' 45 mL of orange juice with 25 mL of lemon juice and 75 mL of lime water.</p>	<p>Orange Lemon Lime water</p>	
<p>4. 'Three Ps' 72 mL of peach juice with 36 mL of pear juice and 48 mL of pineapple juice.</p>	<p>Peach Pear Pineapple</p>	
<p>5. 'I see Red' 70 mL of apple juice with 49 mL of cherry juice and 56 mL of Strawberry juice.</p>	<p>Apple Cherry Strawberry</p>	
<p>6. 'Crusher' 96 mL of kiwifruit juice with 72 mL of pomegranate juice and 160 mL of apple juice.</p>	<p>Kiwifruit Pomegranate Apple</p>	

## Ratios: 3

Give the ratios of these recipes as percentages.

7. 45 mL of orange juice with 27 mL of peach juice and 18 mL of kiwifruit juice.
8. 77 mL of cherry juice with 99 mL of pear juice and 55 mL of apple juice.
9. 81 mL of pomegranate juice with 69 mL of grape juice and 93 mL of orange juice.
10. 24 mL of cucumber juice with 72 mL of apple juice and 96 mL of soda water.
11. 51 mL of peach juice with 68 mL of cherry juice and 34 mL of orange juice.

Which of these ratios can be reduced further?

6: 9: 12

7: 5: 3

21:35:14

54:63:45

19:31:43

14: 22: 38

18: 27: 45

33: 18: 42

11:13:17

35: 50: 45

How do you work out that a ratio **cannot** be reduced further?