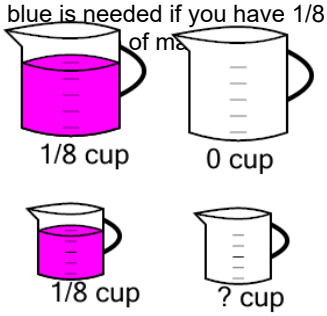
Math worksheet on *'Ratios - Equivalent, Shrinking Recipes with Non-Integer Multiples - Fractions (Level 3)'*. Part of a broader unit on *'Rates and Ratios - Advanced'*

Learn online: app.mobius.academy/math/units/rates_and_ratios_advanced/

1 This sauce needs 3/16 cup of mustard for every 1/8 cup of ketchup. How many cups of mustard is needed if you have

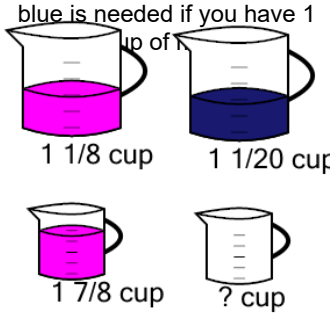
a $\frac{3}{8}cup$ **b** $\frac{11}{64}cup$ **c** $\frac{3}{512}cup$

2 This paint color needs 0 cup of blue for every 1/8 cup of magenta. How many cups of blue is needed if you have 1/8



a $0cup$ **b** $8cup$ **c** $4cup$

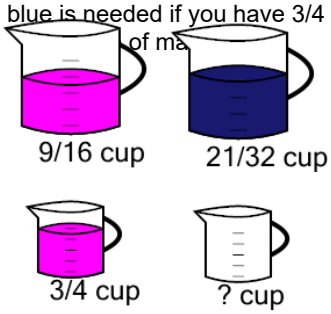
3 This paint color needs 1 1/20 cup of blue for every 1 1/8 cup of magenta. How many cups of blue is needed if you have 1



a $1\frac{3}{4}cup$ **b** $7\frac{8}{9}cup$ **c** $2\frac{7}{32}cup$

d $\frac{71}{288}cup$

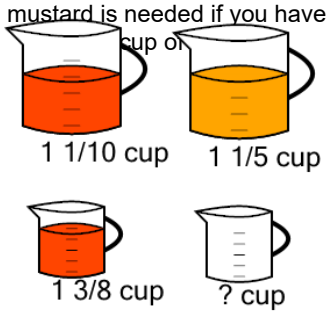
4 This paint color needs 21/32 cup of blue for every 9/16 cup of magenta. How many cups of blue is needed if you have 3/4



a $\frac{7}{8}cup$ **b** $\frac{79}{1,152}cup$ **c** $\frac{79}{128}cup$

d $\frac{567}{2,048}cup$

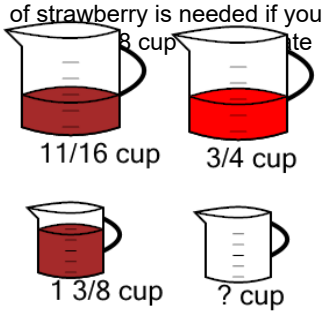
5 This sauce needs 1 1/5 cup of mustard for every 1 1/10 cup of ketchup. How many cups of mustard is needed if you have



a $1\frac{1}{2}cup$ **b** $3\frac{10}{11}cup$ **c** $2\frac{3}{20}cup$

d $\frac{43}{220}cup$

6 This sundae needs 3/4 cup of strawberry for every 11/16 cup of chocolate. How many cups of strawberry is needed if you



a $1\frac{1}{2}cup$ **b** $\frac{49}{352}cup$ **c** $\frac{363}{512}cup$

d $4\frac{5}{11}cup$

7 This sauce needs 1/2 cup of mustard for every 3/8 cup of ketchup. How many cups of mustard is needed if you have

a $\frac{1}{2}cup$ **b** $3\frac{2}{3}cup$ **c** $\frac{11}{48}cup$

d $\frac{11}{16}cup$