mobius

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 1/5 cup of mustard for every 3/10 cup of ketchup. How many cups of mustard is needed if you have up of

3/10 cup   1/5 cup

3/8 cup   ? cup

a	b	c
$\frac{1}{4} cup$	$\frac{9}{400} cup$	$\frac{13}{43} cup$
d		
$4\frac{1}{3} cup$		

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 of ma

1/8 cup   0 cup

1/8 cup   ? cup

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

3 This sundae needs 3/8 cup of strawberry for every 1/2 cup of chocolate. How many cups of strawberry is needed if you cup

1/2 cup   3/8 cup

1/2 cup   ? cup

a	b	c
$\frac{3}{8} cup$	$\frac{5}{17} cup$	$\frac{3}{32} cup$
d		
$\frac{5}{16} cup$		

4 This sauce needs 1 1/20 cup of mustard for every 1 1/8 cup of ketchup. How many cups of mustard is needed if you cup of

1 1/8 cup   1 1/20 cup

1 7/8 cup   ? cup

a	b	c
$1\frac{3}{4} cup$	$2\frac{7}{32} cup$	$\frac{71}{288} cup$
d		
$1\frac{30}{41} cup$		

5 This sundae needs 1/4 cup of strawberry for every 1/8 cup of chocolate. How many cups of strawberry is needed if you cup

1/8 cup   1/4 cup

1/8 cup   ? cup

a	b	c
$\frac{1}{4} cup$	$9 cup$	$\frac{9}{32} cup$
d		
$\frac{3}{11} cup$		

6 This sauce needs 21/32 cup of mustard for every 9/16 cup of ketchup. How many cups of mustard is needed if you up of

9/16 cup   21/32 cup

3/4 cup   ? cup

a	b	c
$\frac{7}{8} cup$	$\frac{79}{137} cup$	$\frac{567}{2,048} cup$
d		
$8\frac{7}{9} cup$		

7 This sauce needs 1/3 cup of mustard for every 5/12 cup of ketchup. How many cups of mustard is needed if you up of

5/12 cup   1/3 cup

5/8 cup   ? cup

a	b	c
$\frac{1}{2} cup$	$3\frac{2}{5} cup$	$\frac{17}{24} cup$
d		
$\frac{17}{29} cup$		