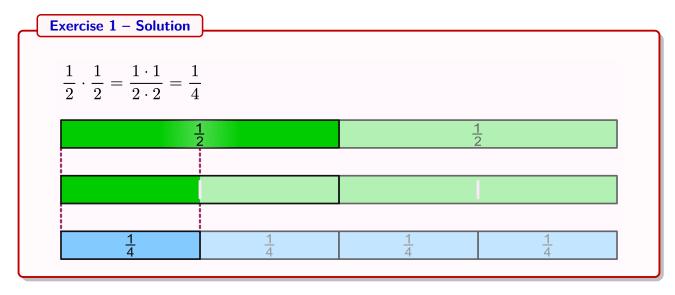
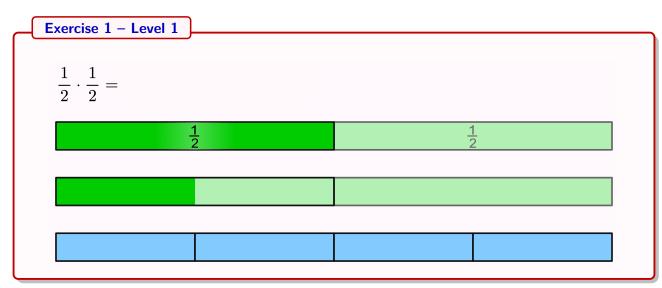
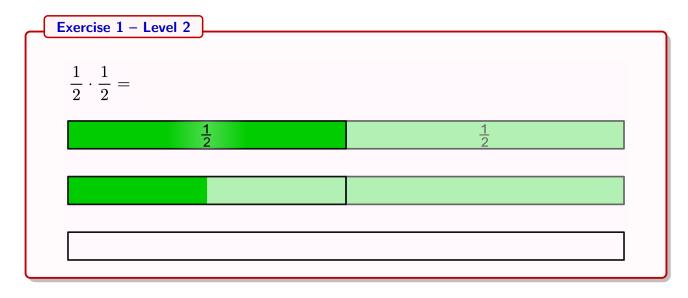
#### Visual Multiplication of Fractions

We can visualize the multiplication of fractions using a standard procedure. Here are exercises on this. The calculation should be written down, and the typical picture that results from visual multiplication of fractions should be drawn.

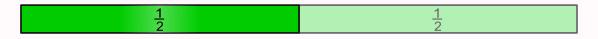






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$$\frac{1}{2} \cdot \frac{1}{2} =$$



# Exercise 2 – Solution

$$\frac{2}{3} \cdot \frac{1}{2} = \frac{2 \cdot 1}{3 \cdot 2} = \frac{2}{6} = \frac{1}{3}$$

	<u>1</u> 2			<u>1</u> 2	
<u>1</u> 6	<u>1</u> 6	<u>1</u>	<u>1</u> 6	<u>1</u> 6	<u>1</u>
<u>1</u> 3		-	$\frac{1}{3}$ $\frac{1}{3}$		<u>1</u> 3

### Exercise 2 – Level 1

 $\frac{2}{3} \cdot \frac{1}{2} =$ 

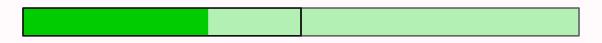
1	1
$\overline{2}$	$\overline{2}$

	-		-

# Exercise 2 – Level 2

 $\frac{2}{3} \cdot \frac{1}{2} =$ 

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l y	2
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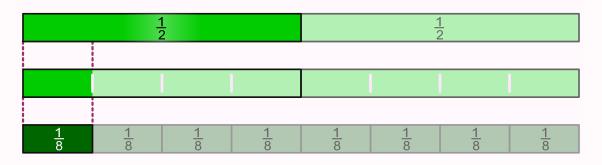
### Exercise 2 – Level 3

$$\frac{2}{3} \cdot \frac{1}{2} =$$

$\frac{1}{2}$	<u>1</u> 2
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### Exercise 3 – Solution

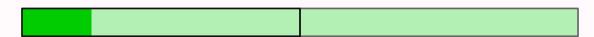
$$\frac{1}{4} \cdot \frac{1}{2} = \frac{1 \cdot 1}{4 \cdot 2} = \frac{1}{8}$$



### Exercise 3 – Level 1

$$\frac{1}{4} \cdot \frac{1}{2} =$$





### Exercise 3 – Level 2

$$\frac{1}{4} \cdot \frac{1}{2} =$$

1	1
<u> </u>	
2	2
	Σ

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1				
1				

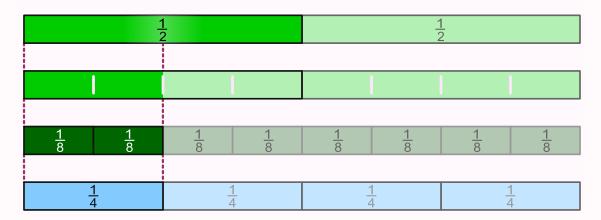
### Exercise 3 – Level 3

$$\frac{1}{4} \cdot \frac{1}{2} =$$

1	1
	上
$\overline{2}$	$\overline{2}$
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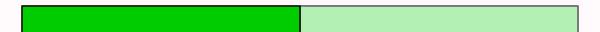
### Exercise 4 – Solution

$$\frac{2}{4} \cdot \frac{1}{2} = \frac{2 \cdot 1}{4 \cdot 2} = \frac{2}{8} = \frac{1}{4}$$



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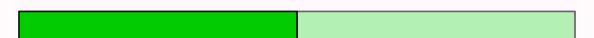
$$\frac{2}{4} \cdot \frac{1}{2} =$$



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1 1				

# Exercise 4 – Level 2

$$\frac{2}{4} \cdot \frac{1}{2} =$$



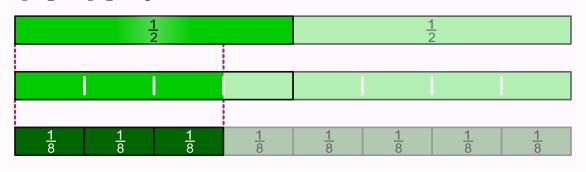
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Exercise 4 – Level 3

$$\frac{2}{4} \cdot \frac{1}{2} =$$

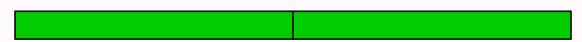
Exercise 5 – Solution

$$\frac{3}{4} \cdot \frac{1}{2} = \frac{3 \cdot 1}{4 \cdot 2} = \frac{3}{8}$$

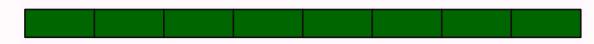


Exercise 5 – Level 1

$$\frac{3}{4}\cdot\frac{1}{2} =$$

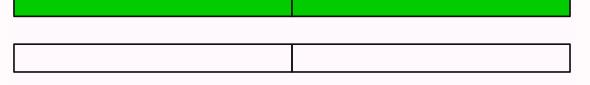






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$$\frac{3}{4} \cdot \frac{1}{2} =$$



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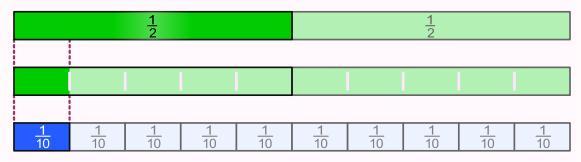
# Exercise 5 – Level 3

$$\frac{3}{4} \cdot \frac{1}{2} =$$

4	4		

### Exercise 6 – Solution

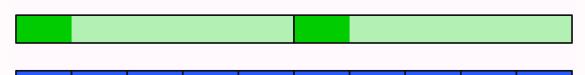
$$\frac{1}{5} \cdot \frac{1}{2} = \frac{1 \cdot 1}{5 \cdot 2} = \frac{1}{10}$$



### Exercise 6 – Level 1

$$\frac{1}{5} \cdot \frac{1}{2} =$$





### Exercise 6 – Level 2

$$\frac{1}{5} \cdot \frac{1}{2} =$$

### Exercise 6 – Level 3

$$\frac{1}{5} \cdot \frac{1}{2} =$$



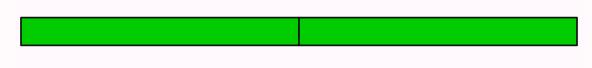
### Exercise 7 – Solution

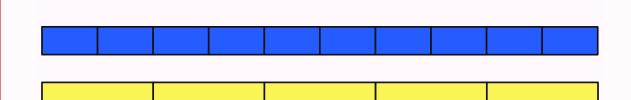
$$\frac{2}{5} \cdot \frac{1}{2} = \frac{2 \cdot 1}{5 \cdot 2} = \frac{2}{10} = \frac{1}{5}$$

	<u>1</u>		<u>1</u> 2	
1				
$\frac{1}{10}$ $\frac{1}{10}$				
_	-	-		-
<u>1</u> 5	<u>1</u> 5	<u>1</u> 5	<u>1</u> 5	<u>1</u> 5

### Exercise 7 – Level 1

$$\frac{2}{5} \cdot \frac{1}{2} =$$





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$$\frac{2}{5} \cdot \frac{1}{2} =$$

# Exercise 7 – Level 3

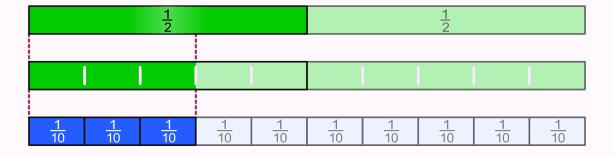
$$\frac{2}{5} \cdot \frac{1}{2} =$$

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### Exercise 8 – Solution

$$\frac{3}{5} \cdot \frac{1}{2} = \frac{3}{5 \cdot 2} = \frac{3}{10}$$



### Exercise 8 – Level 1

$$\frac{3}{5} \cdot \frac{1}{2} =$$

### Exercise 8 – Level 2

$$\frac{3}{5} \cdot \frac{1}{2} =$$

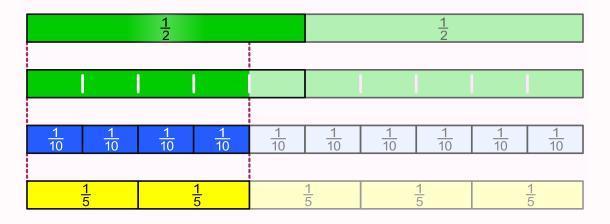


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$$\frac{3}{5} \cdot \frac{1}{2} =$$

### Exercise 9 – Solution

$$\frac{4}{5} \cdot \frac{1}{2} = \frac{4 \cdot 1}{5 \cdot 2} = \frac{4}{10} = \frac{2}{5}$$



Exercise 9 – Level 1				
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$\frac{4}{5} \cdot \frac{1}{2} =$				
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				I

Exercise 9 – Level 2					
$\frac{4}{5} \cdot \frac{1}{2} =$					
$\frac{1}{5} \cdot \frac{1}{2} =$					1
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$$\frac{4}{5} \cdot \frac{1}{2} =$$

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# Exercise 10 – Solution

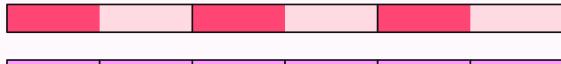
$$\frac{1}{2} \cdot \frac{1}{3} = \frac{1 \cdot 1}{2 \cdot 3} = \frac{1}{6}$$

<u>1</u> 3		-	<u>1</u> 3	$\frac{1}{3}$		
<u>1</u> 6	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u> 6	

# Exercise 10 – Level 1

$$\frac{1}{2} \cdot \frac{1}{3} =$$



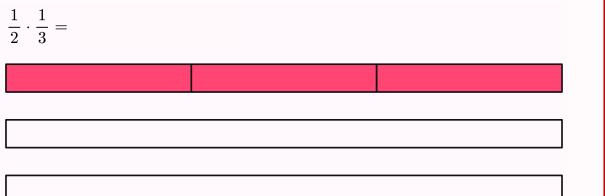


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$$\frac{1}{2} \cdot \frac{1}{3} =$$

# Exercise 10 – Level 3

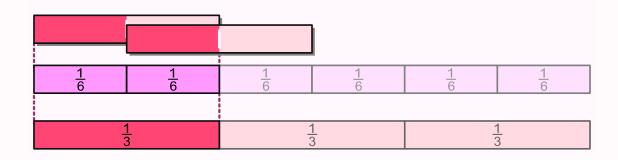
$$\frac{1}{2} \cdot \frac{1}{3} =$$



### Exercise 11 – Solution

1	2	$1 \cdot 2$	2	1
$\frac{1}{2}$	$\frac{1}{3}$	$=\frac{1}{2\cdot 3}$	$\frac{1}{6} = \frac{1}{6}$	$=\frac{1}{3}$

<u>1</u> 3	$\frac{1}{3}$	$\frac{1}{3}$



# Exercise 11 – Level 1

$$\frac{1}{2} \cdot \frac{2}{2} =$$

1	1	1
3	3	3

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 $\frac{1}{2} \cdot \frac{2}{3} =$ 

	$\frac{1}{3}$	<u>1</u> 3	<u>1</u> 3
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# Exercise 11 – Level 3

 $\frac{1}{2} \cdot \frac{2}{3} =$ 

1	1	1
<u> </u>	<u></u>	<u> </u>
2	2	2
J	J	J

### Exercise 12 – Solution

1	1		$1 \cdot 1$	1	1
$\overline{3}$	$\frac{1}{3}$	=	${3\cdot 3}$	$\frac{-}{3} =$	$\overline{9}$

	<u>1</u> 3			<u>1</u> 3			<u>1</u> 3	
<u>1</u> 9	19	19	1 9	<u>1</u>	<u>1</u>	1 9	<u>1</u>	1 9

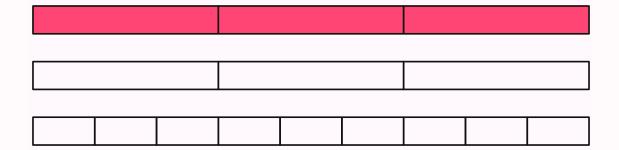
### Exercise 12 – Level 1

$$\frac{1}{3}\cdot\frac{1}{3} =$$



# Exercise 12 – Level 2

$$\frac{1}{3}\cdot\frac{1}{3} =$$



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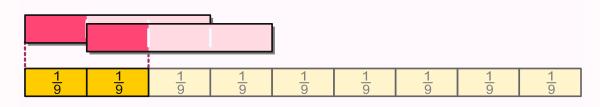
$$\frac{1}{3} \cdot \frac{1}{3} =$$



# Exercise 13 – Solution

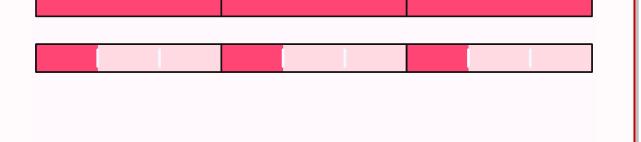
$$\frac{1}{3} \cdot \frac{2}{3} = \frac{1 \cdot 2}{3 \cdot 3} = \frac{2}{9}$$

<u>1</u> 3	<u>1</u> 3	<u>1</u> 3



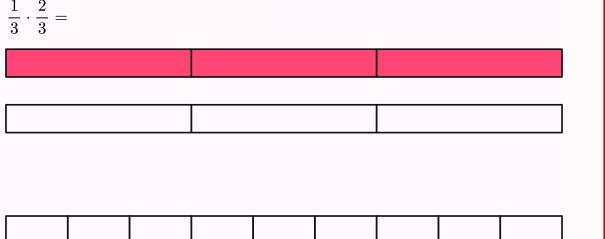
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$$\frac{1}{3} \cdot \frac{2}{3} =$$



# Exercise 13 – Level 2

$$\frac{1}{2} \cdot \frac{2}{2} =$$



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$$\frac{1}{3} \cdot \frac{2}{3} =$$

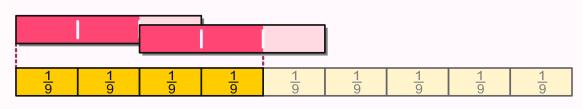


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# Exercise 14 – Solution

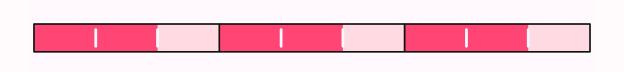
$$\frac{2}{3} \cdot \frac{2}{3} = \frac{2 \cdot 2}{3 \cdot 3} = \frac{4}{9}$$

<u>1</u> 3	<u>1</u> 3	<u>1</u> 3



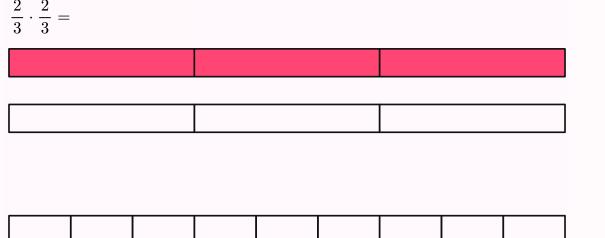
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$$\frac{2}{3} \cdot \frac{2}{3} =$$



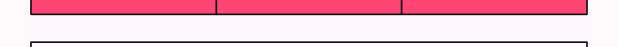
# Exercise 14 – Level 2

$$\frac{2}{3} \cdot \frac{2}{3} =$$



### Exercise 14 – Level 3

$$\frac{2}{3} \cdot \frac{2}{3} =$$



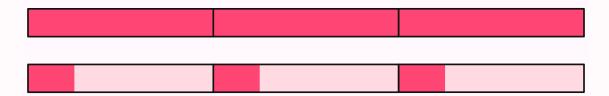
### Exercise 15 – Solution

$$\frac{1}{4} \cdot \frac{1}{3} = \frac{1 \cdot 1}{4 \cdot 3} = \frac{1}{12}$$

	<u>1</u> 3			<u>1</u> 3				<u>1</u> 3			
					<u> </u>						
<u>1</u> 12	<u>1</u> 12	<u>1</u> 12	<u>1</u> 12	1 12	1/12	<u>1</u> 12	<u>1</u> 12	<u>1</u> 12	<u>1</u> 12	<u>1</u> 12	<u>1</u> 12

### Exercise 15 – Level 1

$$\frac{1}{4} \cdot \frac{1}{3} =$$





### Exercise 15 – Level 2

$$\frac{1}{4} \cdot \frac{1}{3} =$$



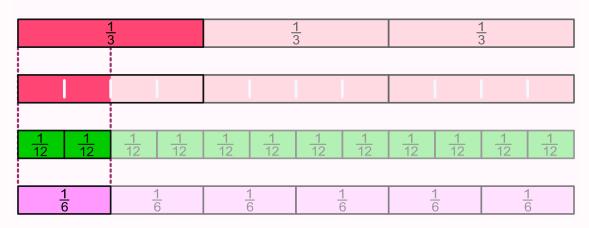
1	1					1
1						1
1						1
1	1					1
	-					 

### Exercise 15 – Level 3

$$\frac{1}{4} \cdot \frac{1}{3} =$$

### Exercise 16 – Solution

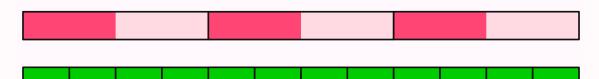
$$\frac{2}{4} \cdot \frac{1}{3} = \frac{2 \cdot 1}{4 \cdot 3} = \frac{2}{12} = \frac{1}{6}$$



### Exercise 16 – Level 1

$$\frac{2}{4} \cdot \frac{1}{3} =$$





# Exercise 16 – Level 2

$$\frac{2}{4} \cdot \frac{1}{3} =$$



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$$\frac{2}{4} \cdot \frac{1}{3} =$$

# Exercise 17 – Solution

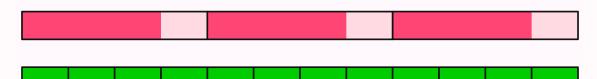
$$\frac{3}{4} \cdot \frac{1}{3} = \frac{3 \cdot 1}{4 \cdot 3} = \frac{3}{12} = \frac{1}{4}$$

<u>1</u> 3		<u>1</u> 3		<u>1</u> 3
$\begin{array}{c cccc} \frac{1}{12} & \frac{1}{12} & \frac{1}{12} \end{array}$	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{c cccc} 1 & 1 & 1 \\ 12 & 12 & 12 \end{array}$	$\begin{array}{c c} 1 & 1 \\ \hline 12 & 12 \end{array}$	$\frac{1}{12}$ $\frac{1}{12}$
	0 0 0			
1/4	1/4	1/4		1/4

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$$\frac{3}{4} \cdot \frac{1}{3} =$$





# Exercise 17 – Level 2

$$\frac{3}{4} \cdot \frac{1}{3} =$$



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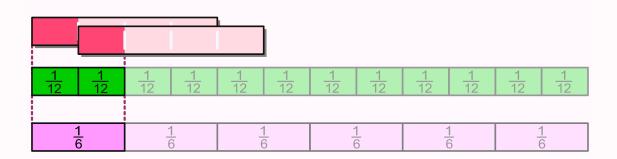
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$$\frac{3}{4} \cdot \frac{1}{3} =$$

# Exercise 18 – Solution

$$\frac{1}{4} \cdot \frac{2}{3} = \frac{1 \cdot 2}{4 \cdot 3} = \frac{2}{12} = \frac{1}{6}$$

<u>1</u> 3	<u>1</u> 3	<u>1</u> 3

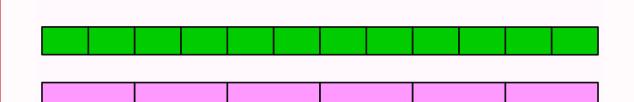


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$$\frac{1}{4} \cdot \frac{2}{3} =$$

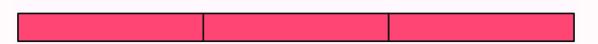






# Exercise 18 – Level 2

$$\frac{1}{4} \cdot \frac{2}{2} =$$





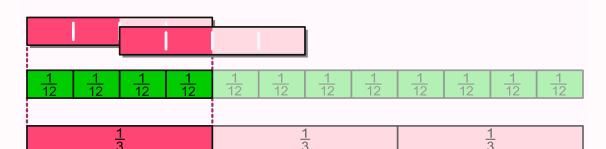
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$$\frac{1}{4} \cdot \frac{2}{3} =$$

# Exercise 19 – Solution

$$\frac{2}{4} \cdot \frac{2}{3} = \frac{2 \cdot 2}{4 \cdot 3} = \frac{4}{12} = \frac{1}{3}$$

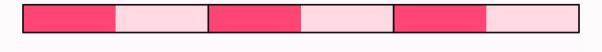
-	<u>1</u> 3	-	<u>1</u> 3	<u>1</u> 3	



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$$\frac{2}{4} \cdot \frac{2}{3} =$$



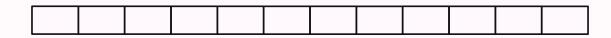




# Exercise 19 – Level 2

$$\frac{2}{4} \cdot \frac{2}{3} =$$



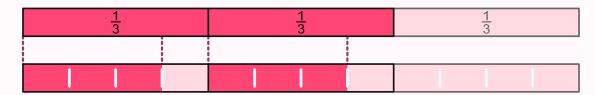


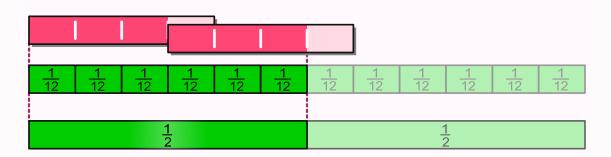
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$$\frac{2}{4} \cdot \frac{2}{3} =$$

# Exercise 20 – Solution

$$\frac{3}{4} \cdot \frac{2}{3} = \frac{3 \cdot 2}{4 \cdot 3} = \frac{6}{12} = \frac{1}{2}$$

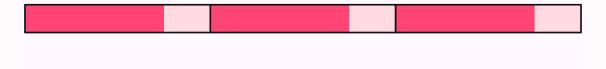


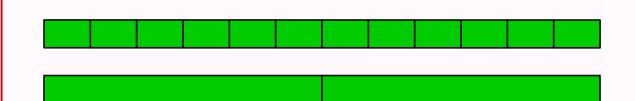


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$$\frac{3}{4} \cdot \frac{2}{3} =$$



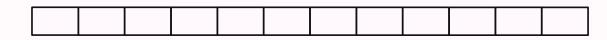




# Exercise 20 – Level 2

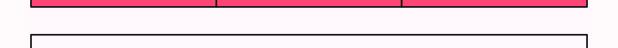
$$\frac{3}{4} \cdot \frac{2}{3} =$$





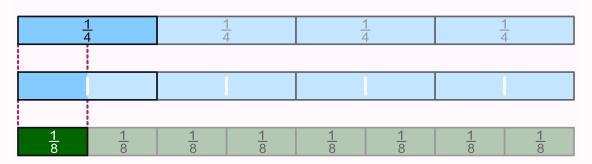
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$$\frac{3}{4} \cdot \frac{2}{3} =$$



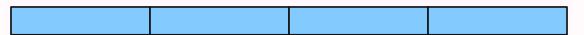
# Exercise 21 – Solution

$$\frac{1}{2} \cdot \frac{1}{4} = \frac{1 \cdot 1}{2 \cdot 4} = \frac{1}{8}$$



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$$\frac{1}{2} \cdot \frac{1}{4} =$$





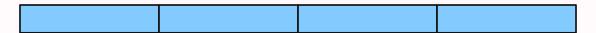
# Exercise 21 – Level 2

$$\frac{1}{2} \cdot \frac{1}{4} =$$

			4	1
			4	1
				1
			4	1
				1

# Exercise 21 – Level 3

$$\frac{1}{2} \cdot \frac{1}{4} =$$

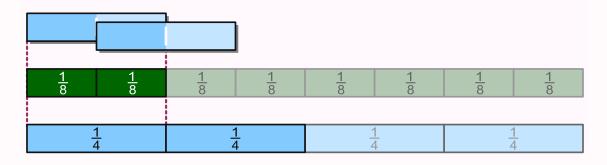




### Exercise 22 – Solution

1	2		1 ·	2		2		1
$\frac{1}{2}$	$\cdot {4}$	=	${2}$	$\overline{4}$	=	8	=	$\frac{1}{4}$

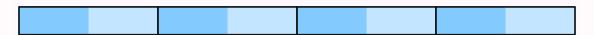
<u>1</u>	<u>1</u> 4	<u>1</u>	<u>1</u>



### Exercise 22 – Level 1

$$\frac{1}{2} \cdot \frac{2}{4} =$$







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$$\frac{1}{2} \cdot \frac{2}{4} =$$

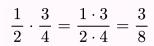
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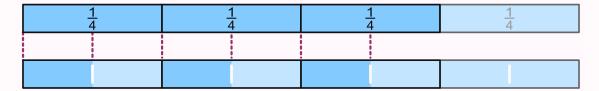
# Exercise 22 – Level 3

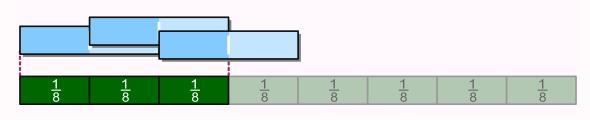
$$\frac{1}{2} \cdot \frac{2}{4} =$$



#### Exercise 23 – Solution

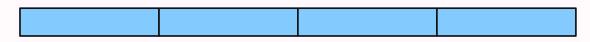


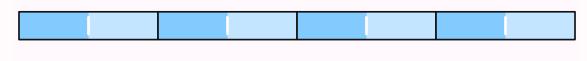




### Exercise 23 – Level 1

$$\frac{1}{2}\cdot\frac{3}{4} =$$





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 $\frac{1}{2} \cdot \frac{3}{4} =$ 

# Exercise 23 – Level 3

 $\frac{1}{2} \cdot \frac{3}{4} =$ 

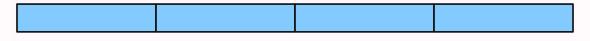

#### Exercise 24 – Solution

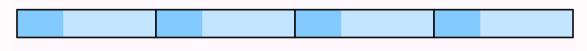
$$\frac{1}{3} \cdot \frac{1}{4} = \frac{1 \cdot 1}{3 \cdot 4} = \frac{1}{12}$$

<u>1</u>		<u>1</u> 4	1/4	$\frac{1}{4}$		
<u>1</u> 12	$\begin{array}{c c} 1 \\ \hline 12 \end{array} \qquad \begin{array}{c c} 1 \\ \hline 12 \end{array}$	$\begin{array}{c cccc} \underline{1} & \underline{1} & \underline{1} \\ \underline{12} & \underline{12} & \underline{12} \end{array}$	$\begin{array}{c cccc} \underline{1} & \underline{1} & \underline{1} \\ \underline{12} & \underline{12} & \underline{12} \end{array}$	$\begin{array}{c cccc} \frac{1}{12} & \frac{1}{12} & \frac{1}{12} \end{array}$		

### Exercise 24 – Level 1

$$\frac{1}{3} \cdot \frac{1}{4} =$$

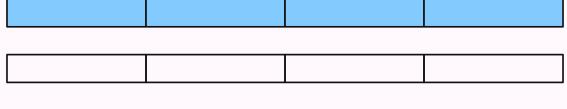






### Exercise 24 – Level 2

 $\frac{1}{3}\cdot\frac{1}{4} =$ 



$$\frac{1}{3} \cdot \frac{1}{4} =$$



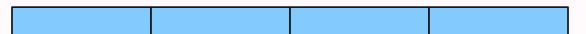
# Exercise 25 – Solution

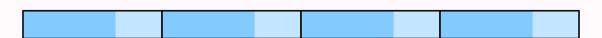
$$\frac{2}{3} \cdot \frac{1}{4} = \frac{2 \cdot 1}{3 \cdot 4} = \frac{2}{12} = \frac{1}{6}$$

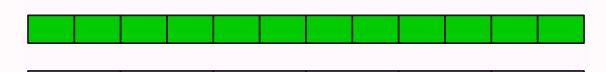
1/4			<u>1</u>		1/4			<u>1</u>		
$\frac{1}{12}$ $\frac{1}{12}$	<u>1</u> 12	1 12	<u>1</u> 12							
<u>1</u>	-	<u>1</u>	-	<u>1</u>	-	<u> </u>	-	<u>1</u>		<u>1</u>

### Exercise 25 – Level 1

$$\frac{2}{3} \cdot \frac{1}{4} =$$







# Exercise 25 – Level 2

$$\frac{2}{3} \cdot \frac{1}{4} =$$

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- 1							
- 1							
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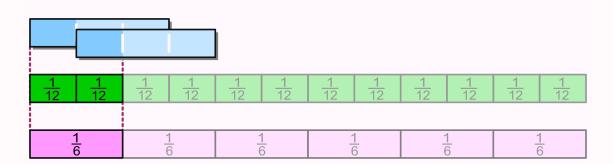
$$\frac{2}{3} \cdot \frac{1}{4} =$$

<i>y</i>		

# Exercise 26 – Solution

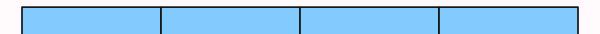
$$\frac{1}{3} \cdot \frac{2}{4} = \frac{1 \cdot 2}{3 \cdot 4} = \frac{2}{12} = \frac{1}{6}$$

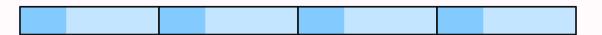
	<u>1</u> 4	<u>1</u>	<u>1</u> 4	<u>1</u>
			1	

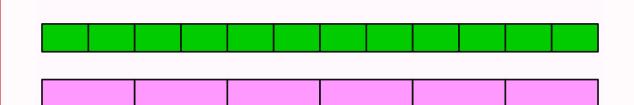


### Exercise 26 – Level 1

$$\frac{1}{3} \cdot \frac{2}{4} =$$







# Exercise 26 – Level 2

$$\frac{1}{3} \cdot \frac{2}{4} =$$



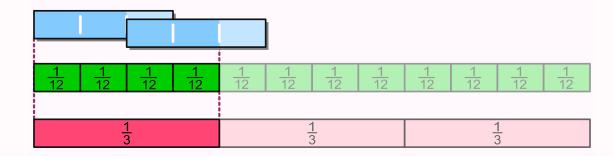
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$$\frac{1}{3} \cdot \frac{2}{4} =$$

# Exercise 27 – Solution

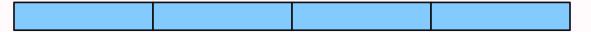
$$\frac{2}{3} \cdot \frac{2}{4} = \frac{2 \cdot 2}{3 \cdot 4} = \frac{4}{12} = \frac{1}{3}$$

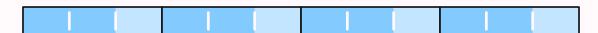
<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>



### Exercise 27 – Level 1

$$\frac{2}{3} \cdot \frac{2}{4} =$$

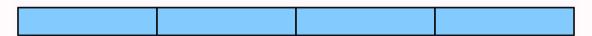






# Exercise 27 – Level 2

$$\frac{2}{3} \cdot \frac{2}{4} =$$



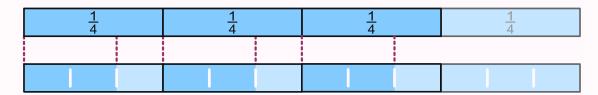


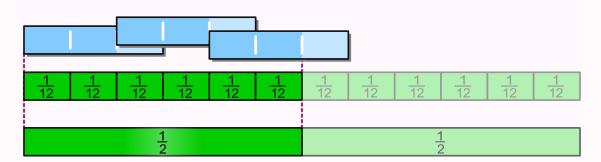
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$$\frac{2}{3} \cdot \frac{2}{4} =$$

# Exercise 28 – Solution

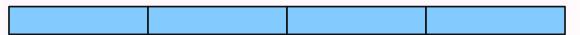
$$\frac{2}{3} \cdot \frac{3}{4} = \frac{2 \cdot 3}{3 \cdot 4} = \frac{6}{12} = \frac{1}{2}$$

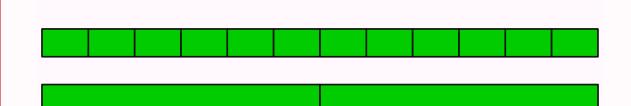




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$$\frac{2}{3} \cdot \frac{3}{4} =$$





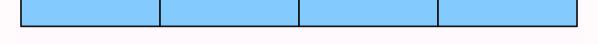
# Exercise 28 – Level 2

$$\frac{2}{3} \cdot \frac{3}{4} =$$

					1
					1
					4
					1
					4

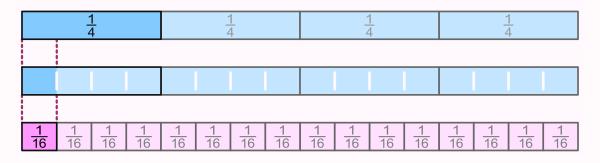
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$$\frac{2}{3} \cdot \frac{3}{4} =$$



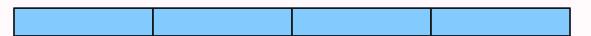
# Exercise 29 – Solution

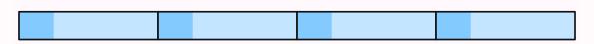
$$\frac{1}{4} \cdot \frac{1}{4} = \frac{1 \cdot 1}{4 \cdot 4} = \frac{1}{16}$$



### Exercise 29 – Level 1

$$\frac{1}{4}\cdot\frac{1}{4} =$$



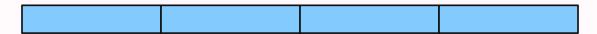


# Exercise 29 – Level 2

$$\frac{1}{4} \cdot \frac{1}{4} =$$

# Exercise 29 – Level 3

$$\frac{1}{4}\cdot\frac{1}{4} =$$



#### Exercise 30 – Solution

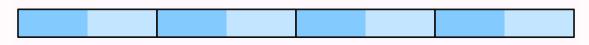
$$\frac{2}{4} \cdot \frac{1}{4} = \frac{2 \cdot 1}{4 \cdot 4} = \frac{2}{16} = \frac{1}{8}$$

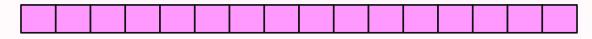
<u>1</u>				$\frac{1}{4}$			$\frac{1}{4}$			$\frac{1}{4}$					
1 16	<u>1</u> 16	<u>1</u> 16	<u>1</u>	<u>1</u> 16	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u> 16	<u>1</u> 16	<u>1</u> 16	<u>1</u> 16	<u>1</u> 16	<u>1</u> 16	<u>1</u>	1 16
<u>1</u>	<u>l</u> 3	-	<u>1</u> 8		<u>1</u> 8		<u>1</u> 8	-	<u>1</u> 8	-	<u>1</u> 8	-	<u>1</u> 8		<u>1</u> 8

# Exercise 30 – Level 1

$$\frac{2}{4} \cdot \frac{1}{4} =$$







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$$\frac{2}{4} \cdot \frac{1}{4} =$$

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							1 /	

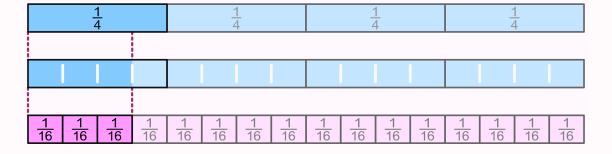
# Exercise 30 – Level 3

$$\frac{2}{4} \cdot \frac{1}{4} =$$

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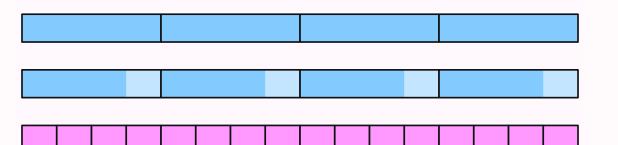
#### Exercise 31 – Solution

$$\frac{3}{4} \cdot \frac{1}{4} = \frac{3 \cdot 1}{4 \cdot 4} = \frac{3}{16}$$



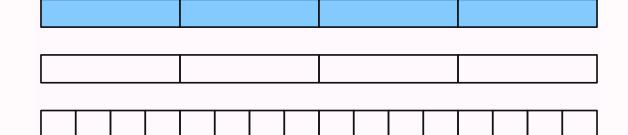
### Exercise 31 – Level 1

$$\frac{3}{4} \cdot \frac{1}{4} =$$



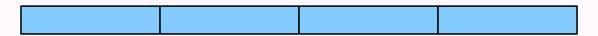
### Exercise 31 – Level 2

$$\frac{3}{4} \cdot \frac{1}{4} =$$



#### Exercise 31 – Level 3

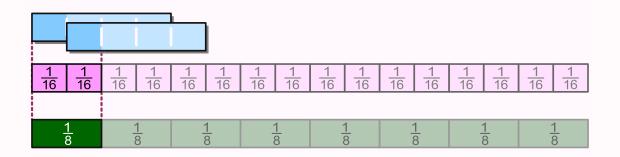
$$\frac{3}{4} \cdot \frac{1}{4} =$$



### Exercise 32 – Solution

$$\frac{1}{4} \cdot \frac{2}{4} = \frac{2}{4 \cdot 4} = \frac{2}{16} = \frac{1}{8}$$

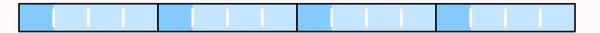
<u>1</u>	<u>1</u> 4	<u>1</u>	<u>1</u> 4

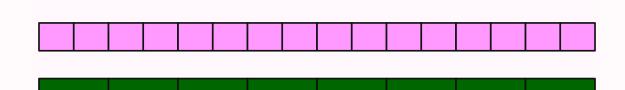


### Exercise 32 – Level 1

$$\frac{1}{4} \cdot \frac{2}{4} =$$







### Exercise 32 – Level 2

$$\frac{1}{4} \cdot \frac{2}{4} =$$





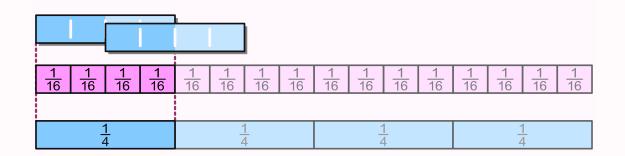
#### Exercise 32 – Level 3

$$\frac{1}{4} \cdot \frac{2}{4} =$$

### Exercise 33 – Solution

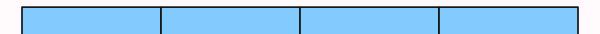
$$\frac{2}{4} \cdot \frac{2}{4} = \frac{2 \cdot 2}{4 \cdot 4} = \frac{4}{16} = \frac{1}{4}$$

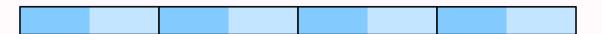
$\frac{1}{4}$ $\frac{1}{4}$			-	<u>1</u> 4	- 2	<u> </u> 	
	0 0 0		0 0 0				



### Exercise 33 – Level 1

$$\frac{2}{4} \cdot \frac{2}{4} =$$

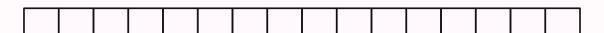




# Exercise 33 – Level 2

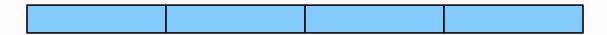
$$\frac{2}{4} \cdot \frac{2}{4} =$$

	1		
1	1	1	
1	1	1	
4	1	1	
1	1	1	



#### Exercise 33 – Level 3

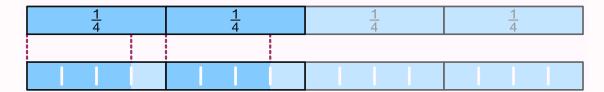
$$\frac{2}{4} \cdot \frac{2}{4} =$$

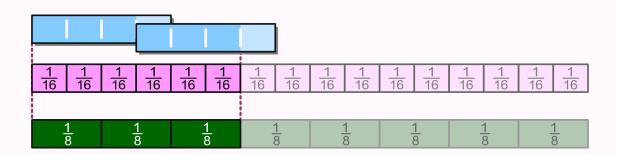


1		

### Exercise 34 – Solution

$$\frac{3}{4} \cdot \frac{2}{4} = \frac{3 \cdot 2}{4 \cdot 4} = \frac{6}{16} = \frac{3}{8}$$

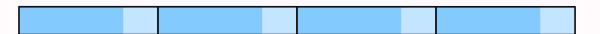




### Exercise 34 – Level 1

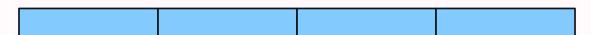
$$\frac{3}{4} \cdot \frac{2}{4} =$$





### Exercise 34 – Level 2

$$\frac{3}{4} \cdot \frac{2}{4} =$$





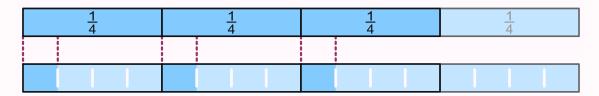
#### Exercise 34 – Level 3

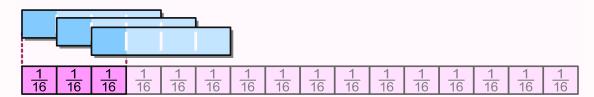
$$\frac{3}{4}\cdot\frac{2}{4} =$$



### Exercise 35 – Solution

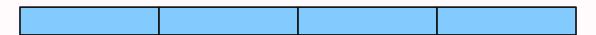
$$\frac{1}{4} \cdot \frac{3}{4} = \frac{1 \cdot 3}{4 \cdot 4} = \frac{3}{16}$$

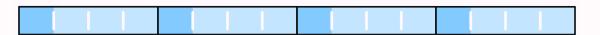




### Exercise 35 – Level 1

$$\frac{1}{4}\cdot\frac{3}{4} =$$

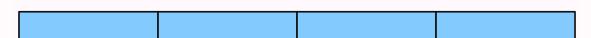




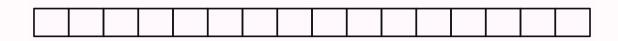
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# Exercise 35 – Level 2

$$\frac{1}{4}\cdot\frac{3}{4} =$$



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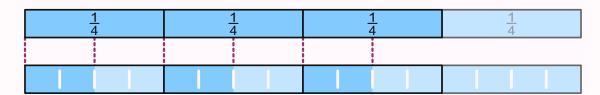
#### Exercise 35 – Level 3

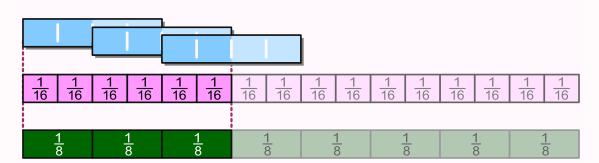
$$\frac{1}{4} \cdot \frac{3}{4} =$$



### Exercise 36 – Solution

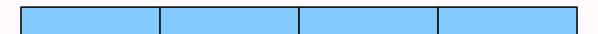
$$\frac{2}{4} \cdot \frac{3}{4} = \frac{2 \cdot 3}{4 \cdot 4} = \frac{6}{16} = \frac{3}{8}$$

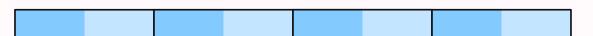




### Exercise 36 – Level 1

$$\frac{2}{4} \cdot \frac{3}{4} =$$





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# Exercise 36 – Level 2

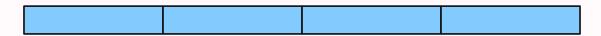
$$\frac{2}{4} \cdot \frac{3}{4} =$$





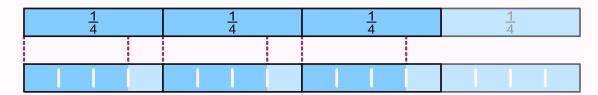
#### Exercise 36 – Level 3

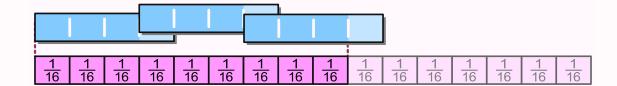
$$\frac{2}{4} \cdot \frac{3}{4} =$$



### Exercise 37 – Solution

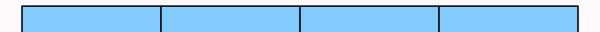
$$\frac{3}{4} \cdot \frac{3}{4} = \frac{3 \cdot 3}{4 \cdot 4} = \frac{9}{16}$$

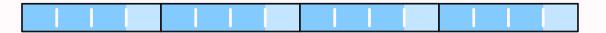




### Exercise 37 – Level 1

$$\frac{3}{4}\cdot\frac{3}{4} =$$



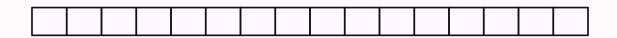


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# Exercise 37 – Level 2

$$\frac{3}{4}\cdot\frac{3}{4} =$$





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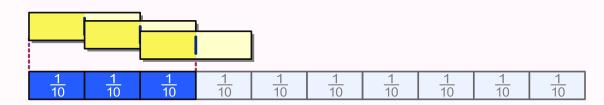
$$\frac{3}{4}\cdot\frac{3}{4} =$$



### Exercise 38 – Solution

$$\frac{1}{2} \cdot \frac{3}{5} = \frac{1 \cdot 3}{2 \cdot 5} = \frac{3}{10}$$

<u>1</u> 5	<u>1</u> 5	<u>1</u> 5	<u>1</u> 5	<u>1</u> 5



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$$\frac{1}{2} \cdot \frac{3}{5} =$$







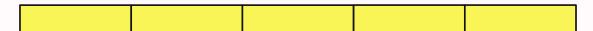
# Exercise 38 – Level 2

$$\frac{1}{2} \cdot \frac{3}{5} =$$

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#### Exercise 38 – Level 3

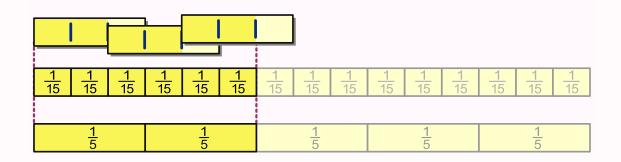
$$\frac{1}{2} \cdot \frac{3}{5} =$$



### Exercise 39 – Solution

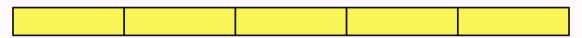
$$\frac{2}{3} \cdot \frac{3}{5} = \frac{2 \cdot 3}{3 \cdot 5} = \frac{6}{15} = \frac{2}{5}$$

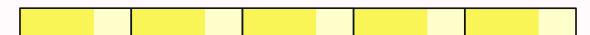
<u>1</u> 5		<u>1</u> 5	<u>1</u> 5	<u>1</u> 5	<u>1</u> 5		



### Exercise 39 – Level 1

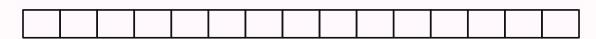
$$\frac{2}{3} \cdot \frac{3}{5} =$$





### Exercise 39 – Level 2

$$\frac{2}{3} \cdot \frac{3}{5} =$$



### Exercise 39 – Level 3

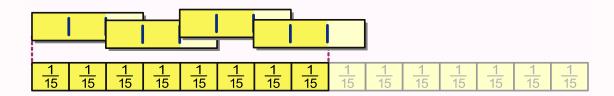
$$\frac{2}{3} \cdot \frac{3}{5} =$$



### Exercise 40 – Solution

$$\frac{2}{3} \cdot \frac{4}{5} = \frac{2 \cdot 4}{3 \cdot 5} = \frac{8}{15}$$

<u>1</u> 5		<u>1</u> 5	<u>1</u> 5	<u>1</u> 5	<u>1</u> 5		



### Exercise 40 – Level 1

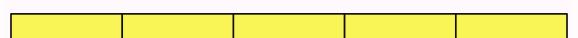
$$\frac{2}{3} \cdot \frac{4}{5} =$$

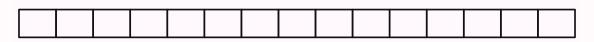




# Exercise 40 – Level 2

$$\frac{2}{3} \cdot \frac{4}{5} =$$





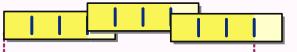
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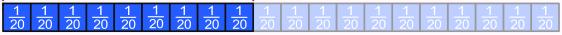
$$\frac{2}{3} \cdot \frac{4}{5} =$$

# Exercise 41 – Solution

$$\frac{3}{4} \cdot \frac{3}{5} = \frac{3 \cdot 3}{4 \cdot 5} = \frac{9}{20}$$

<u>1</u> 5		<u>1</u> 5		<u>1</u> 5		<u>1</u> 5		<u>1</u> 5		

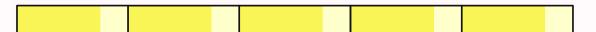




#### Exercise 41 – Level 1

$$\frac{3}{4} \cdot \frac{3}{5} =$$

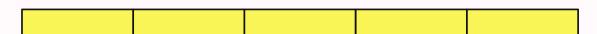




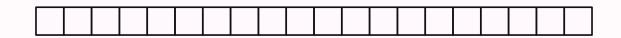


# Exercise 41 – Level 2

$$\frac{3}{4} \cdot \frac{3}{5} =$$







#### Exercise 41 – Level 3

$$\frac{3}{4}\cdot\frac{3}{5} =$$

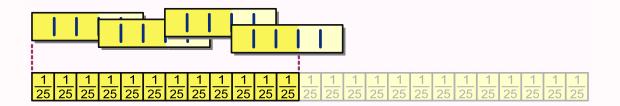


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## Exercise 42 – Solution

$$\frac{3}{5} \cdot \frac{4}{5} = \frac{3 \cdot 4}{5 \cdot 5} = \frac{12}{25}$$

<u>1</u> 5	<u>1</u> 5	<u>1</u> 5	<u>1</u> 5	<u>1</u> 5		

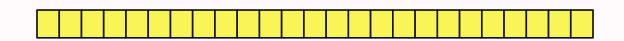


#### Exercise 42 – Level 1

$$\frac{3}{5} \cdot \frac{4}{5} =$$

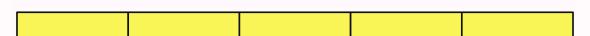




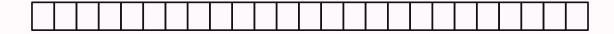


## Exercise 42 – Level 2

$$\frac{3}{5} \cdot \frac{4}{5} =$$



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1	1	,	1
1	1	,	1



#### Exercise 42 – Level 3

$$\frac{3}{5} \cdot \frac{4}{5} =$$



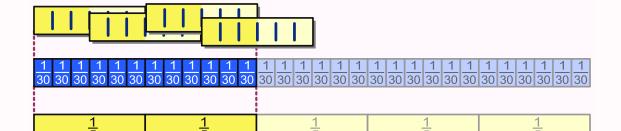




#### Exercise 43 – Solution

$$\frac{3}{6} \cdot \frac{4}{5} = \frac{3 \cdot 4}{6 \cdot 5} = \frac{12}{30} = \frac{2}{5}$$

1/5 1/5		<u>1</u> 5	<u>1</u> 5	<u>1</u> 5	
0					

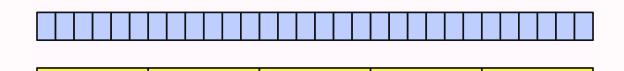


#### Exercise 43 – Level 1

$$\frac{3}{6} \cdot \frac{4}{5} =$$

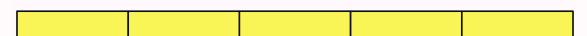




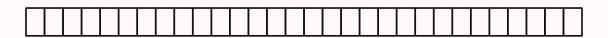


# Exercise 43 – Level 2

$$\frac{3}{6} \cdot \frac{4}{5} =$$



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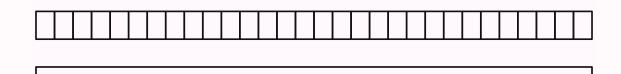


#### Exercise 43 – Level 3

$$\frac{3}{6} \cdot \frac{4}{5} =$$



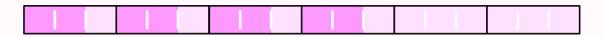


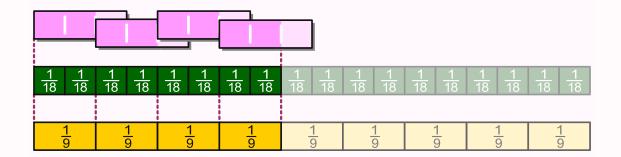


# Exercise 44 – Solution

$$\frac{2}{3} \cdot \frac{4}{6} = \frac{2 \cdot 4}{3 \cdot 6} = \frac{8}{18} = \frac{4}{9}$$

1	1	1	1	1	1
1 6 1	6	1 6 1	1 6 1	6	6
0	0	0	0	0	



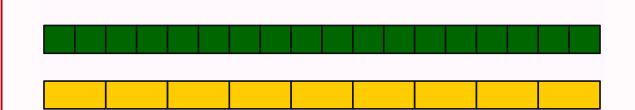


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$$\frac{2}{3} \cdot \frac{4}{6} =$$

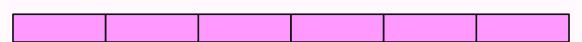


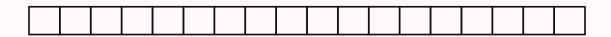




## Exercise 44 – Level 2

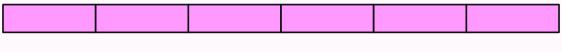
$$\frac{2}{3} \cdot \frac{4}{6} =$$





#### Exercise 44 – Level 3

$$\frac{2}{3} \cdot \frac{4}{6} =$$

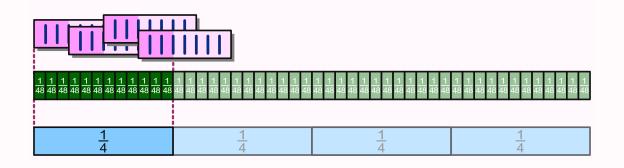


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## Exercise 45 – Solution

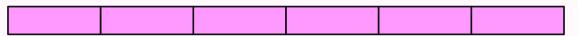
$$\frac{3}{8} \cdot \frac{4}{6} = \frac{3 \cdot 4}{8 \cdot 6} = \frac{12}{48} = \frac{1}{4}$$

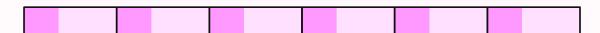
<u>1</u> 6	<u>1</u>	<u>1</u> 6	<u>1</u> 6	<u>1</u>	<u>1</u> 6



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$$\frac{3}{8} \cdot \frac{4}{6} =$$





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# Exercise 45 – Level 2

$$\frac{3}{8} \cdot \frac{4}{6} =$$



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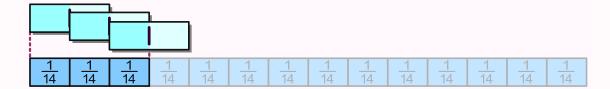
#### Exercise 45 – Level 3

$$\frac{3}{8} \cdot \frac{4}{6} =$$

### Exercise 46 – Solution

$$\frac{1}{2} \cdot \frac{3}{7} = \frac{1 \cdot 3}{2 \cdot 7} = \frac{3}{14}$$

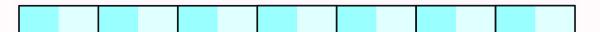
$\frac{1}{7}$	<u>1</u>	<u>1</u>	<del>1</del> <del>7</del>	<u>1</u> 7	<del>1</del> <del>7</del>	$\frac{1}{7}$



### Exercise 46 – Level 1

$$\frac{1}{2} \cdot \frac{3}{7} =$$






# Exercise 46 – Level 2

$$\frac{1}{2} \cdot \frac{3}{7} =$$



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#### Exercise 46 – Level 3

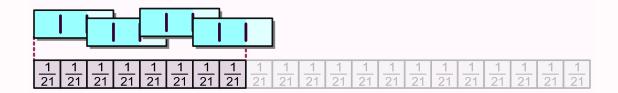
$$\frac{1}{2} \cdot \frac{3}{7} =$$

1	1	l	l				
1	1	l	l				
	1	l	l				

## Exercise 47 – Solution

$$\frac{2}{3} \cdot \frac{4}{7} = \frac{2 \cdot 4}{3 \cdot 7} = \frac{8}{21}$$

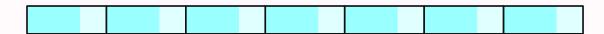
<u>1</u> 7	<u>1</u> 7	<u>1</u> 7	<u>1</u> 7	<del>1</del> <del>7</del>	<u>1</u> 7	<del>1</del> <del>7</del>



### Exercise 47 – Level 1

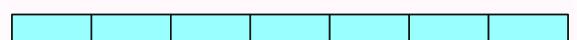
$$\frac{2}{3} \cdot \frac{4}{7} =$$





# Exercise 47 – Level 2

$$\frac{2}{3} \cdot \frac{4}{7} =$$





#### Exercise 47 – Level 3

$$\frac{2}{3} \cdot \frac{4}{7} =$$

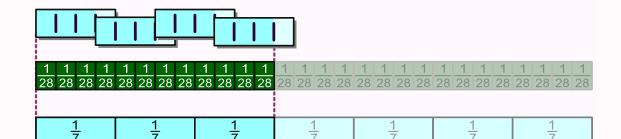




#### Exercise 48 – Solution

$$\frac{3}{4} \cdot \frac{4}{7} = \frac{3 \cdot 4}{4 \cdot 7} = \frac{12}{28} = \frac{3}{7}$$

<u>1</u> 7	<u>1</u> 7	<u>1</u> 7		<u>1</u> 7		<del>1</del> <del>7</del>		<u>1</u> 7			$\frac{1}{7}$	
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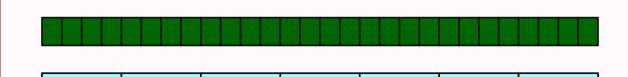


#### Exercise 48 – Level 1

$$\frac{3}{4} \cdot \frac{4}{7} =$$



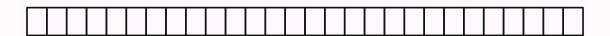




## Exercise 48 – Level 2

$$\frac{3}{4} \cdot \frac{4}{7} =$$


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#### Exercise 48 – Level 3

$$\frac{3}{4} \cdot \frac{4}{7} =$$

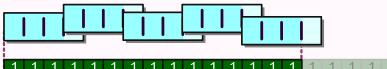




### Exercise 49 – Solution

$$\frac{3}{4} \cdot \frac{5}{7} = \frac{3 \cdot 5}{4 \cdot 7} = \frac{15}{28} = \frac{9}{14}$$

<u>1</u> 7	1/7	<u>1</u>	<u>1</u> 7	<u>1</u> 7	<u>1</u> 7	$\frac{1}{7}$



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#### Exercise 49 – Level 1

$$\frac{3}{4} \cdot \frac{5}{7} =$$





# Exercise 49 – Level 2

$$\frac{3}{4} \cdot \frac{5}{7} =$$

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#### Exercise 49 – Level 3

$$\frac{3}{4} \cdot \frac{5}{7} =$$

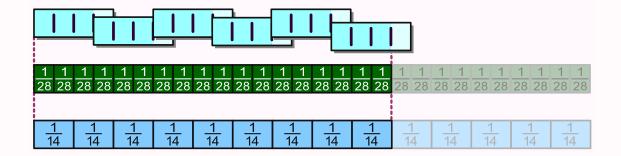


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## Exercise 50 – Solution

$$\frac{3}{4} \cdot \frac{6}{7} = \frac{3 \cdot 6}{4 \cdot 7} = \frac{18}{28} = \frac{9}{14}$$

<del>1</del> <del>7</del>	<u>1</u> 7	<u>1</u> 7	<u>1</u> 7	<u>1</u> 7	<u>1</u> 7	<del>1</del> <del>7</del>		

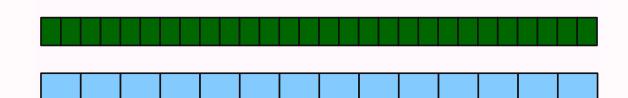


#### Exercise 50 – Level 1

$$\frac{3}{4} \cdot \frac{6}{7} =$$

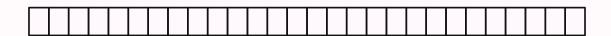






## Exercise 50 – Level 2

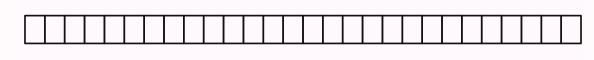
$$\frac{3}{4} \cdot \frac{6}{7} =$$



#### Exercise 50 – Level 3

$$\frac{3}{4}\cdot\frac{6}{7} =$$

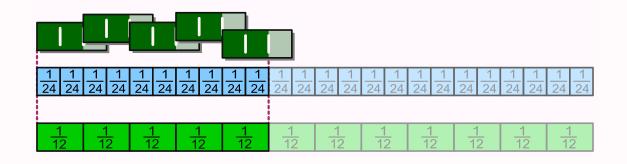




### Exercise 51 – Solution

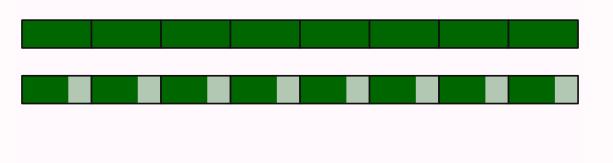
$$\frac{2}{3} \cdot \frac{5}{8} = \frac{2 \cdot 5}{3 \cdot 8} = \frac{10}{24} = \frac{5}{12}$$

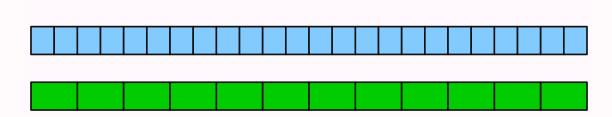
<u>1</u> 8	<u>1</u> 8	<u>1</u> 8	<u>1</u> 8	<u>1</u> 8	<u>1</u> 8	<u>1</u> 8	<u>1</u> 8



#### Exercise 51 – Level 1

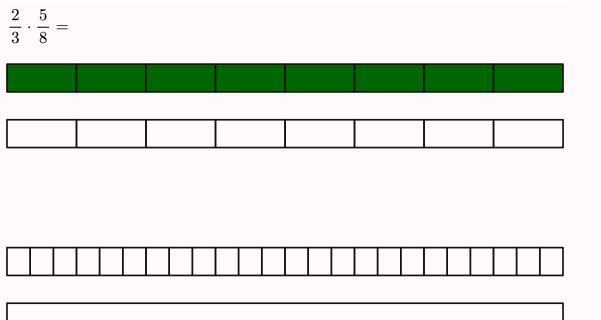
$$\frac{2}{3} \cdot \frac{5}{8} =$$





# Exercise 51 – Level 2

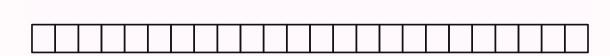
$$\frac{2}{3} \cdot \frac{5}{8} =$$



#### Exercise 51 – Level 3

$$\frac{2}{3} \cdot \frac{5}{8} =$$

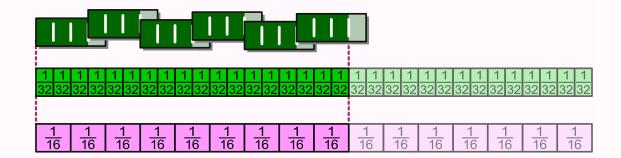




#### Exercise 52 – Solution

$$\frac{3}{4} \cdot \frac{6}{8} = \frac{3 \cdot 6}{4 \cdot 8} = \frac{18}{32} = \frac{9}{16}$$

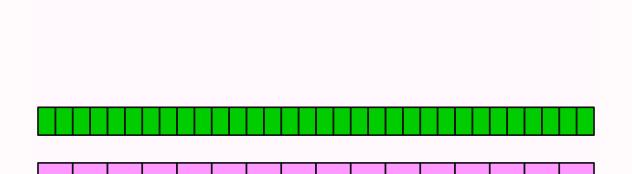
<u>1</u> 8	<u>1</u> 8	<u>1</u> 8	<u>1</u> 8	<u>1</u> 8	<u>1</u> 8	<u>1</u> 8	<u>1</u> 8
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#### Exercise 52 – Level 1

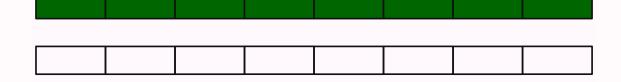
$$\frac{3}{4} \cdot \frac{6}{8} =$$

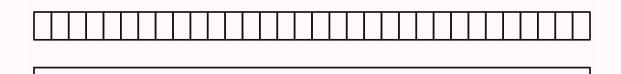




## Exercise 52 – Level 2

$$\frac{3}{4} \cdot \frac{6}{8} =$$





## Exercise 52 – Level 3

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#### Exercise 53 – Solution

$$\frac{3}{4} \cdot \frac{7}{8} = \frac{3 \cdot 7}{4 \cdot 8} = \frac{21}{32}$$

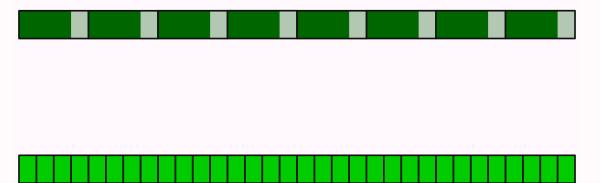
<u>1</u> 8	<u>1</u> 8	<u>1</u> 8	<u>1</u> 8	<u>1</u> 8	<u>1</u> 8	<u>1</u> 8	<u>1</u> 8



#### Exercise 53 – Level 1

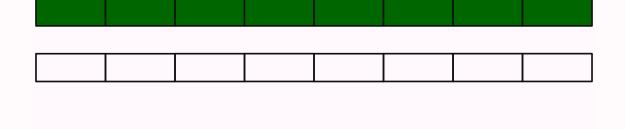
$$\frac{3}{4} \cdot \frac{7}{8} =$$

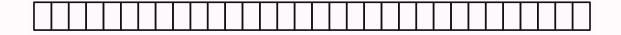




# Exercise 53 – Level 2

$$\frac{3}{4} \cdot \frac{7}{8} =$$





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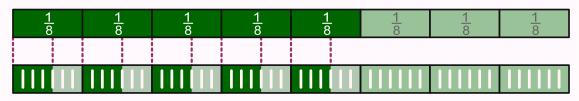
$$\frac{3}{4} \cdot \frac{7}{8} =$$

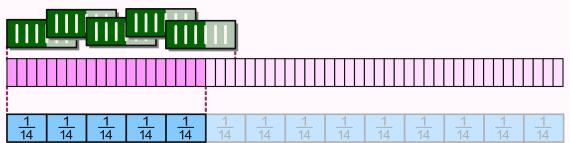


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# Exercise 54 – Solution

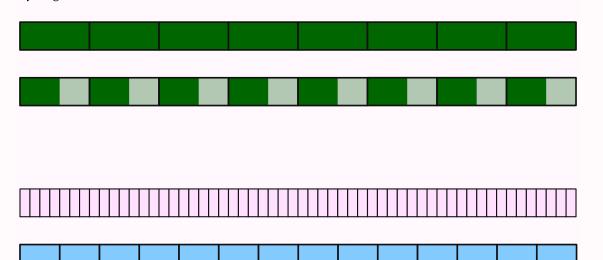
$$\frac{4}{7} \cdot \frac{5}{8} = \frac{4 \cdot 5}{7 \cdot 8} = \frac{20}{56} = \frac{5}{14}$$





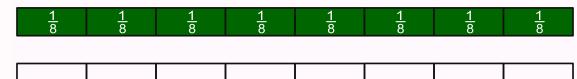
#### Exercise 54 – Level 1

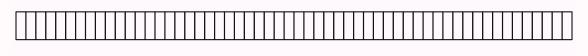
$$\frac{4}{7} \cdot \frac{5}{8} =$$



### Exercise 54 – Level 2

$$\frac{4}{7} \cdot \frac{5}{8} =$$





#### Exercise 54 – Level 3

$$\frac{4}{7} \cdot \frac{5}{8} =$$



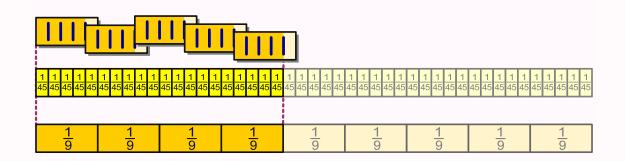




## Exercise 55 – Solution

$$\frac{4}{5} \cdot \frac{5}{9} = \frac{4 \cdot 5}{5 \cdot 9} = \frac{20}{45} = \frac{4}{9}$$

<u>1</u> 9	<u>1</u> 9	<u>1</u> 9	<u>1</u> 9	<u>1</u> 9	<u>1</u>	<u>1</u>	<u>1</u> 9	<u>1</u> 9



### Exercise 55 – Level 1

$$\frac{4}{5} \cdot \frac{5}{9} =$$



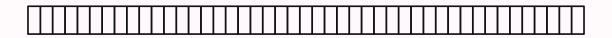


# Exercise 55 – Level 2

$$\frac{4}{5} \cdot \frac{5}{9} =$$



l .				





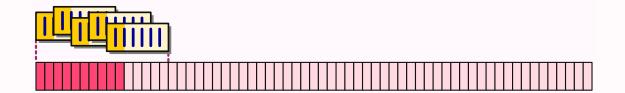
## Exercise 55 – Level 3

$$\frac{4}{5} \cdot \frac{5}{9} =$$

## Exercise 56 – Solution

$$\frac{2}{7} \cdot \frac{5}{9} = \frac{2 \cdot 5}{7 \cdot 9} = \frac{10}{63}$$



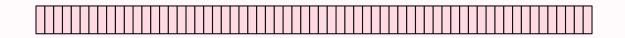


#### Exercise 56 – Level 1



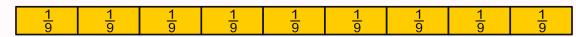






## Exercise 56 – Level 2

$$\frac{2}{7} \cdot \frac{5}{9} =$$

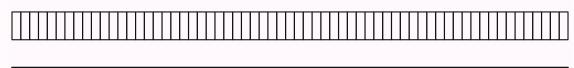




#### Exercise 56 – Level 3

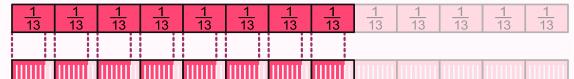
$$\frac{2}{7} \cdot \frac{5}{9} =$$





#### Exercise 57 – Solution

$$\frac{7}{9} \cdot \frac{8}{13} = \frac{7 \cdot 8}{9 \cdot 13} = \frac{56}{117}$$

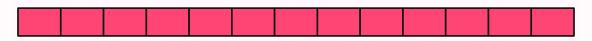








$$\frac{7}{9} \cdot \frac{8}{13} =$$

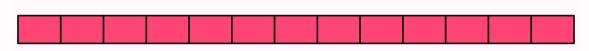


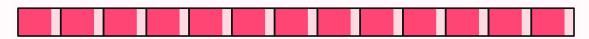




### Exercise 57 – Level 2

$$\frac{7}{9} \cdot \frac{8}{13} =$$







# Exercise 57 – Level 3

$$\frac{7}{9} \cdot \frac{8}{13} =$$

