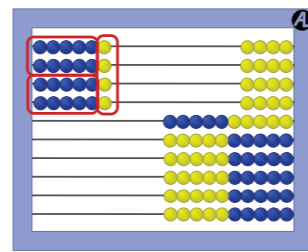


# SHORT MULTIPLICATION CHART

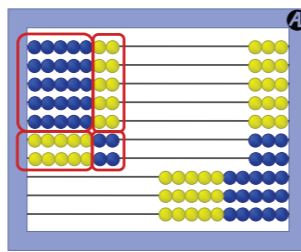
1										
2	4									
3	6	9								
4	8	12	16							
5	10	15	20	25						
6	12	18	24	30	36					
7	14	21	28	35	42	49				
8	16	24	32	40	48	56	64			
9	18	27	36	45	54	63	72	81		
10	20	30	40	50	60	70	80	90	100	

## Multiplication

6 taken 4 times



7 × 7



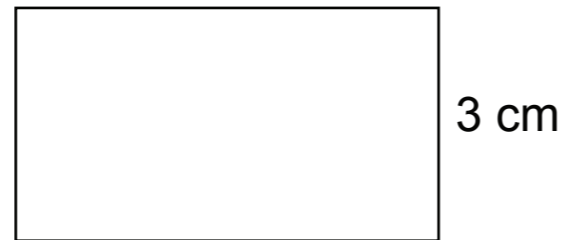
## Division

1										
2	4									
3	6	9								
4	8	12	16							
5	10	15	20	25						
6	12	18	24	30	36					
7	14	21	28	35	42	49				
8	16	24	32	40	48	56	64			
9	18	27	36	45	54	63	72	81		
10	20	30	40	50	60	70	80	90	100	

$63 \div 7 = 9$

## Calculating Perimeter

7 cm



3 cm

$$7 + 3 + 7 + 3 = 20 \text{ cm}$$

## Calculating Area

7 cm

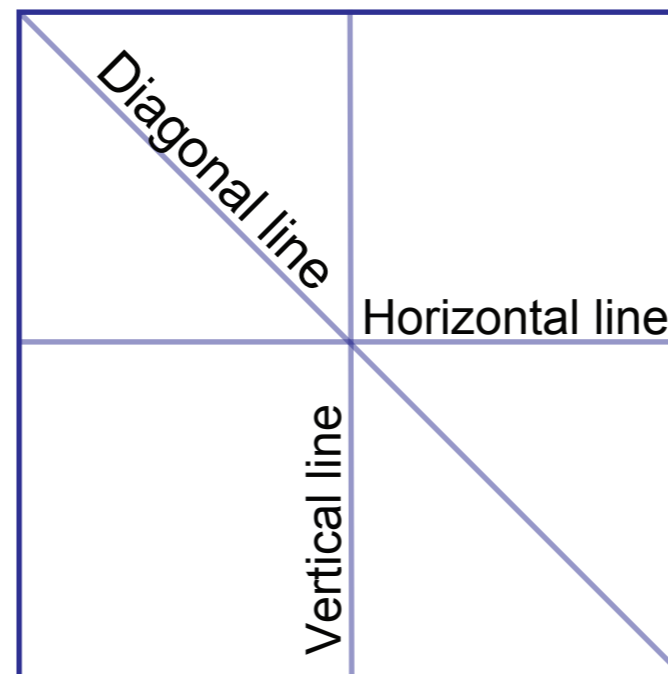


3 cm

$$7 \times 3 = 21 \text{ cm}^2$$

1	2	3	4	5	6	7	8	9	10
2	4	6	8	10	12	14	16	18	20
3	6	9	12	15	18	21	24	27	30
4	8	12	16	20	24	28	32	36	40
5	10	15	20	25	30	35	40	45	50
6	12	18	24	30	36	42	48	54	60
7	14	21	28	35	42	49	56	63	70
8	16	24	32	40	48	56	64	72	80
9	18	27	36	45	54	63	72	81	90
10	20	30	40	50	60	70	80	90	100

The square arrays.



# FRACTION CHART

1									
$\frac{1}{2}$					$\frac{1}{2}$				
$\frac{1}{3}$			$\frac{1}{3}$			$\frac{1}{3}$			$\frac{1}{3}$
$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$	$\frac{1}{4}$
$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$	$\frac{1}{5}$
$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$	$\frac{1}{6}$
$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$
$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$
$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$