

Mental Math Activities 2

Includes:

- Four operations
- Shapes
- Place Value
- Adding Decimals
- Halving / Doubling
- Equal, Greater, Less

Name: _____

Mental Math Wheel

Name: _____

Mental Math Squares

Add numbers across and down to fill the empty boxes. The first one is done.

20	8	28	5	14	
10	12	22	8	11	
30	20	50			
12	9		7	14	
8	10		9	10	
5	18		10	10	
12	12		14	15	

Differentiated Tasks

Name: _____

Tic-Tac-Toe Mental Maths

Choose a number, say the value of the underlined number and place a counter on it. Get 3 in a row to win!

8 <u>7</u> 9	<u>4</u> 5	<u>2</u> 17	5 <u>6</u> 13	<u>5</u> 29	<u>9</u> 11
<u>2</u> 97	<u>1</u> 347	<u>6</u> 6	<u>3</u> 2	8 <u>2</u> 93	3 <u>3</u> 4
<u>1</u> 7 <u>5</u>	<u>2</u> 7 <u>8</u> 5	<u>4</u> 7 <u>3</u> 6	<u>7</u> 4 <u>6</u> 2	<u>9</u> 8	14 <u>6</u>
5 <u>5</u> 6	<u>8</u> 248	14 <u>2</u> 6	<u>4</u> 4 <u>8</u> 5	<u>2</u> 54	14 <u>5</u>
<u>2</u> 7	<u>4</u> 4	<u>2</u> 57	<u>6</u> 3	<u>3</u> 6	<u>5</u> 57
<u>3</u> 274	<u>4</u> 725	33 <u>6</u> 5	14 <u>8</u> 7	<u>2</u> 5 <u>6</u> 7	<u>7</u> 754
		45	<u>1</u> 8	<u>2</u> 54	<u>1</u> 185
		7	<u>2</u> 647	<u>5</u> 47	<u>1</u> 43
		64	<u>2</u> 29	<u>8</u> 52	<u>3</u> 238

Name: _____

Adding Decimals

Race your friends around the board! Answer correctly and you can stay. Answer wrong and you must move back to where you were!

Start →	Move +3	2.5 + 2.5	1.7 + 1.3	5.2 + 1.3
2.6 + 0.3				Move -3
1.3 + 3.5				5.7 + 1.1
5.1 + 4.1				6.8 + 2.2
Move -3				8.3 + 1.4
6.3 + 1.4				Move +3
7.5 + 2.5				2.2 + 2.2
6.3 + 4.1				4.8 + 1.2
5.2 + 1.4				5.4 + 2.5
Move +3		9.1 + 0.5	5.7 + 1.3	6.1 + 3.3
				Move -3

Name: _____























Dice Game

Each student has their own sheet. Roll the dice, say the value of the underlined number and shade in the square. The person to the top first wins!

<u>2</u> 847	<u>5</u> 247	<u>7</u> 419	<u>2</u> 257	<u>1</u> 476	<u>2</u> 367
<u>4</u> 278	<u>3</u> 368	<u>5</u> 471	<u>2</u> 247	<u>4</u> 712	<u>1</u> 765
<u>3</u> 67	<u>8</u> 42	<u>9</u> 75	<u>5</u> 54	<u>1</u> 24	<u>9</u> 24
<u>5</u> 4	<u>6</u> 7	<u>5</u> 8	<u>4</u> 8	<u>1</u> 7	<u>2</u> 6

Place Value

Contents

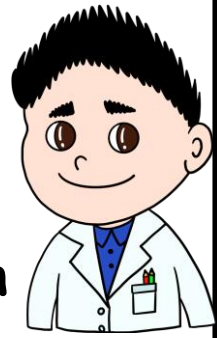
- #1 Tic-Tac-Toe Mental Maths Shapes 
- #2 Tic-Tac-Toe Mental Maths Shapes 
- #3 Tic-Tac-Toe Mental Maths Place Value  
- #4 Tic-Tac-Toe Mental Maths Place Value  
- #5 Mental Maths Board Game – Adding Decimals
- #6 Mental Maths Board Game – Add & Subtract
- #7 Mental Maths Board Game – Place Value
- #8 Mental Maths Board Game – Equal, Greater, Less
- #9 Dice Game – Place Value  
- #10 Dice Game – Equal to, Greater than, Less than  
- #11 Dice Game – Multiplication  
- #12 Dice Game – Halving  
- #13 Dice Game – Doubling  
- #12 Mental Math wheel – 3x & 4x
- #13 Mental Math wheel – 5x & 6x
- #14 Mental Math wheel - Blank
- #15 Mental Math Squares 
- #16 Mental Math Squares  
- #17 Mental Math Squares   
- #18 Mental Math Squares – Blank

Preview

Name: _____



Tic-Tac-Toe Mental Maths



Choose a shape, say how many sides it has and place a counter on it. Get 3 in a row to win!

Oval	Rectangle	Octagon
Pentagon	Hexagon	Circle
Square	Triangle	Nonagon

Decagon	Heptagon	Triangle
Nonagon	Circle	Square
Pentagon	Rectangle	Hexagon

Preview

Square	Nonagon	Decagon
Heptagon	Pentagon	Triangle
Hexagon	Octagon	Oval

Circle	Triangle	Square
Rectangle	Pentagon	Nonagon
Decagon	Nonagon	Octagon

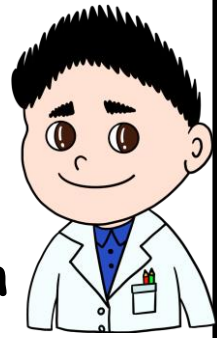
Pentagon	Oval	Pentagon
Hexagon	Nonagon	Pentagon
Circle	Rectangle	Decagon

Triangle	Decagon	Nonagon
Octagon	Hexagon	Heptagon
Pentagon	Circle	Square

Name: _____



Tic-Tac-Toe Mental Maths



Choose a shape, say how many sides it has and place a counter on it. Get 3 in a row to win!

Pentagon	Decagon	Nonagon
Heptagon	Hexagon	Oval
Circle	Triangle	Octagon

Oval	Triangle	Pentagon
Decagon	Heptagon	Nonagon
Pentagon	Octagon	Hexagon

Preview

Decagon	Octagon	Hexagon
Square	Rectangle	Nonagon
Heptagon	Pentagon	Triangle

Nonagon	Pentagon	Hexagon
Heptagon	Octagon	Triangle
Square	Decagon	Triangle

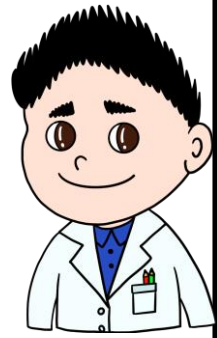
Triangle	Pentagon	Heptagon
Nonagon	Decagon	Octagon
Hexagon	Square	Rectangle

Decagon	Circle	Nonagon
Square	Heptagon	Octagon
Pentagon	Hexagon	Oval

Name: _____



Tic-Tac-Toe Mental Maths



Choose a number, say the value of the underlined number and place a counter on it. Get 3 in a row to win!

8 <u>7</u> 9	4 <u>5</u>	<u>2</u> 17
<u>2</u> 97	<u>1</u> 347	66
17 <u>5</u>	<u>2</u> 785	<u>4</u> 735

5 <u>6</u> 13	<u>5</u> 29	<u>9</u> 11
<u>3</u> 2	8 <u>2</u> 93	33 <u>4</u>
<u>7</u> 462	<u>9</u> 8	14 <u>6</u>

Preview

55 <u>6</u>	8 <u>2</u> 48	14 <u>2</u> 6
<u>2</u> 7	<u>4</u> 4	2 <u>5</u> 7
<u>3</u> 274	<u>4</u> 725	336 <u>5</u>

4 <u>4</u> 85	<u>2</u> 54	14 <u>5</u>
<u>6</u> 3	3 <u>6</u>	<u>5</u> 57
14 <u>8</u> 7	2 <u>5</u> 67	<u>7</u> 754

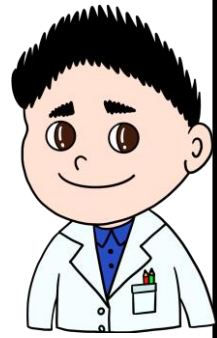
7 <u>8</u> 5	<u>2</u> 547	<u>8</u> 845
<u>2</u> 54	14 <u>5</u>	9 <u>5</u> 7
5 <u>3</u>	65 <u>8</u> 7	<u>7</u> 584

1 <u>8</u>	<u>2</u> 54	1 <u>1</u> 85
2 <u>6</u> 47	<u>5</u> 47	<u>1</u> 43
2 <u>2</u> 9	<u>8</u> 52	<u>3</u> 238

Name: _____



Tic-Tac-Toe Mental Maths



Choose a number, say the value of the underlined number and place a counter on it. Get 3 in a row to win!

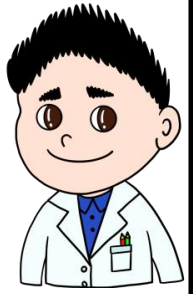
75 <u>4</u> 8	<u>3</u> 34	13 <u>6</u>	<u>9</u> 74	336 <u>8</u>	<u>3</u> 412
93 <u>6</u> 7	<u>2</u> 23	6471	214	<u>4</u> 5	7 <u>8</u> 3
<u>2</u> 54	1 <u>9</u>	<u>9</u> 1	<u>3</u> 673	<u>9</u> 96	27 <u>4</u> 8

<u>4</u> 1	<u>2</u> 594	<u>3</u> 67	<u>8</u> 274	62 <u>4</u> 7	<u>2</u> 48
<u>5</u> 51	2 <u>4</u> 7	<u>3</u> 961	1 <u>1</u> 7	<u>3</u> 9	5 <u>8</u> 2
21 <u>7</u> 4	<u>4</u> 487	21 <u>4</u>	1 <u>4</u> 75	386 <u>7</u>	<u>5</u> 41

6 <u>3</u> 9	9 <u>4</u> 17	22 <u>4</u>	<u>4</u> 712	<u>2</u> 41	<u>1</u> 23
<u>6</u> 7	<u>2</u> 871	117 <u>2</u>	<u>3</u> 4	5 <u>4</u> 2	48 <u>6</u>
2 <u>4</u> 6	<u>3</u> 275	8 <u>8</u> 24	36 <u>8</u> 4	<u>4</u> 4	<u>2</u> 17





Adding Decimals



Race your friends around the board!

Answer correctly and you can stay.

Answer wrong and you must move back to where you were!

Start → Finish	Move +3	2.5 + 2.5	1.7 + 1.3	5.2 + 1.3			
2.6 + 0.3				Move -3			
1.3 + 3.5				5.7 + 1.1			
5.1 + 4.1				6.8 + 2.2			
Move -3				8.3 + 1.4			
6.3 + 1.4				Move +3			
7.5 + 2.5				2.2 + 2.2			
6.3 + 4.1				4.8 + 1.2			
5.2 + 1.4				5.4 + 2.5			
Move +3				9.1 + 0.5	5.7 + 1.3	6.1 + 3.3	Move -3


Mental Maths

Addition & Subtraction



Race your friends around the board!
Answer correctly and you can stay.
Answer wrong and you must move back to where you were!



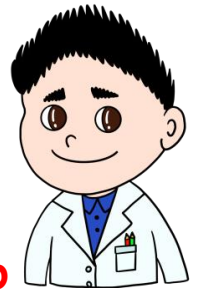
Start → Finish	Move +3	15 + 15	12 + 12	22 + 15
18 - 11	 <p>Preview</p>			Move -3
32 - 12				14 + 11
80 - 30				60 + 20
Move -3				29 - 9
73 + 14				Move +3
16 + 16				44 - 13
25 + 25				62 - 12
19 + 11	60 - 40			
Move +3	53 + 14	32 + 20	26 - 13	Move -3

Mental Maths







Place Value



Race your friends around the board!

Answer correctly and you can stay.

Answer wrong and you must move back to where you were!


Start → Finish	Move +3	<u>5</u> 275	3 <u>3</u> 67	<u>3</u> 45			
<u>2</u> 399	 <p>Mental Maths</p> 			Move -3			
15 <u>2</u> 3				16 <u>9</u> 7			
<u>5</u> 188				629 <u>5</u>			
Move -3				<u>8</u> 47			
643 <u>5</u>				Move +3			
<u>7</u> 784				<u>2</u> 8			
6 <u>1</u> 08				41 <u>2</u> 6			
<u>5</u> 4				<u>5</u> 583			
Move +3				<u>9</u> 5	<u>3</u> 14	<u>9</u> 963	Move -3

Equal, Greater, Less



Race your friends around the board!
 Write the correct symbol on scrap paper
 and you can stay. Answer wrong and you
 must move back to where you were!



Start → Finish	Move +3	44__44	16__61	3.5__3.5
321__123	 <p>Preview</p>			Move -3
159__781				37__73
9.9__1.9				172__312
Move -3				5.5__5.6
7.1__1.7				Move +3
34__43				314__413
187__187				556__713
76__67	314__234			
Move +3	59__95	318__318	4.7__5.4	Move -3

Mental Maths



Name: _____



Dice Game



Each student has their own sheet. Roll the dice, **say the value of the underlined number** and shade in the square. The person to the top first wins!

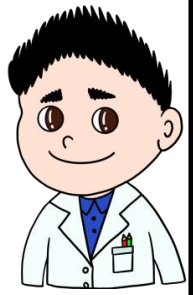
					
<u>2</u> 847	5 <u>2</u> 47	<u>7</u> 4 <u>9</u> Preview <u>2</u> 57	<u>1</u> 476	23 <u>6</u> 7	
<u>4</u> 278	3 <u>3</u> 68	<u>5</u> 471	22 <u>4</u> 7	<u>4</u> 712	176 <u>5</u>
<u>3</u> 67	8 <u>4</u> 2	97 <u>5</u>	<u>5</u> 54	1 <u>2</u> 4	<u>9</u> 24
<u>5</u> 4	<u>6</u> 7	<u>5</u> 8	<u>4</u> 8	<u>1</u> 7	<u>2</u> 6
					

Place Value

Name: _____



Dice Game



Each student has their own sheet. Roll the dice, **write = < or >** and shade in the square. The person to the top first wins!

					
2.5 _ 2.2	3.5 _ 3.6	7.1 _ 1.7	5.6 _ 3.6	1.4 _ 4.1	3.8 _ 2.8
92 _ 29	64 _ 64	14 _ 25	59 _ 95	66 _ 66	13 _ 31
88 _ 17	71 _ 26	76 _ 76	37 _ 73	22 _ 22	19 _ 91
55 _ 33	42 _ 24	11 _ 11	87 _ 64	44 _ 56	99 _ 99
					

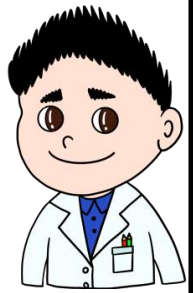
Equal to, Greater than, Less than

= > <

Name: _____



Dice Game



Each student has their own sheet. Roll the dice, answer the question and shade in the square. The person to the top first wins!

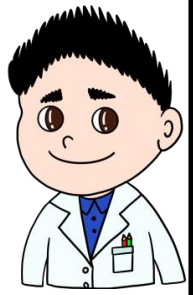
					
5×3	6×4	10×5	4×4	8×2	11×7
9×10	3×3	7×5	12×2	11×2	6×5
4×2	3×7	4×11	2×10	9×5	6×2
5×7	3×12	11×9	7×10	8×34	2×9
					

Multiplication



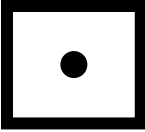
Name: _____



Dice Game



Each student has their own sheet. Roll the dice, **half the number** and shade in the square. The person to the top first wins!

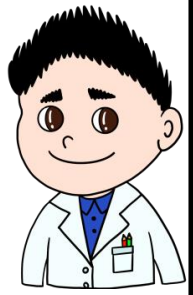
					
140	220	Preview	280	360	240
80	150	60	70	200	100
50	40	36	400	300	28
16	18	22	32	12	20
					

Halving




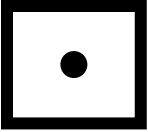

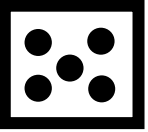
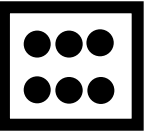
Name: _____



Dice Game



Each student has their own sheet. Roll the dice, **double the number** and shade in the square. The person to the top first wins!

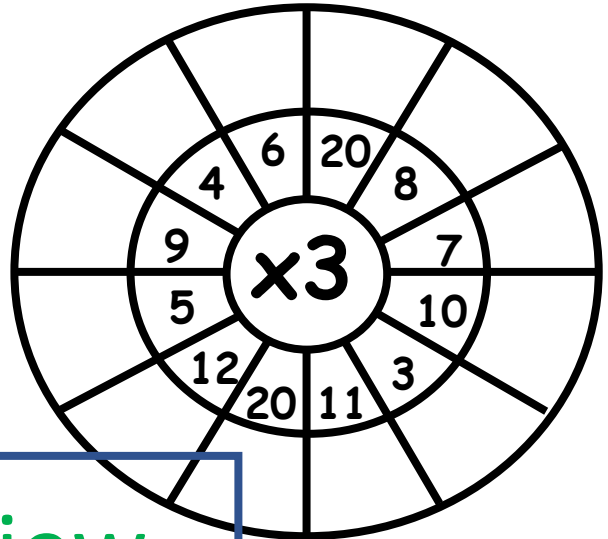
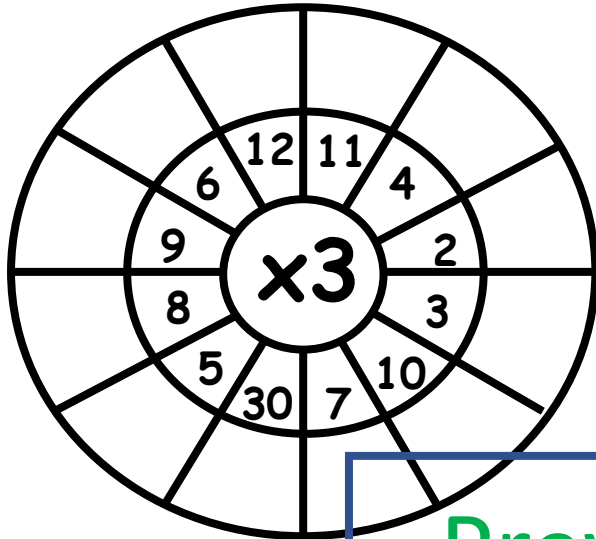
					
25	65	Preview	75	65	
42	53	66	27	40	50
24	25	32	33	19	55
13	12	8	9	14	30
					

Doubling

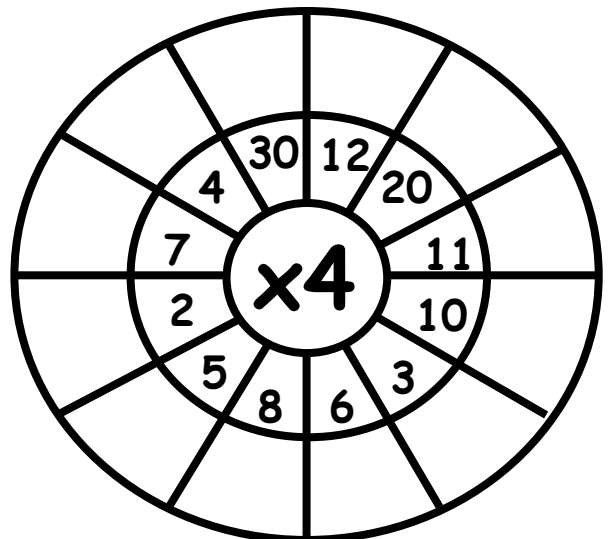
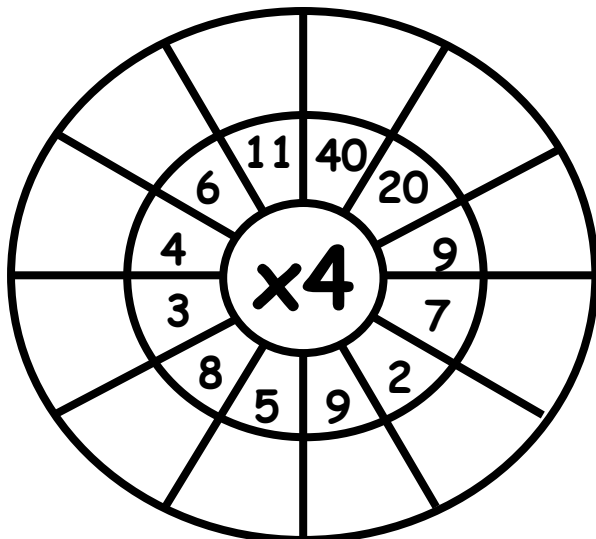
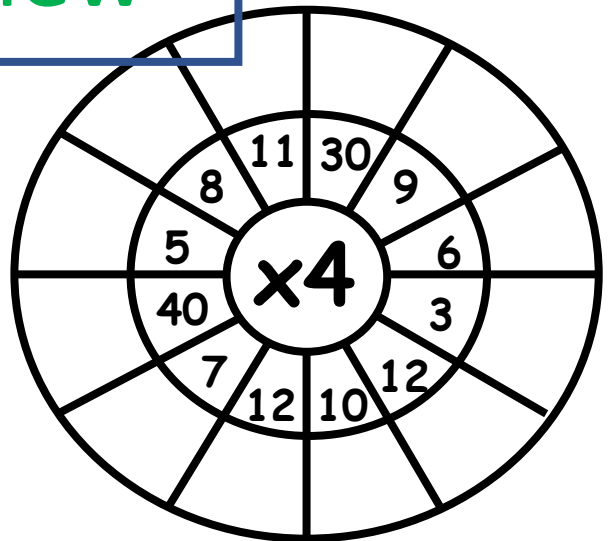
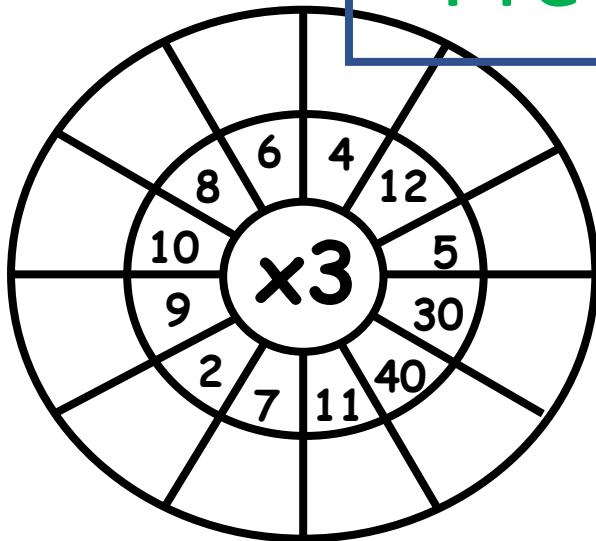
Name: _____



Mental Math Wheel



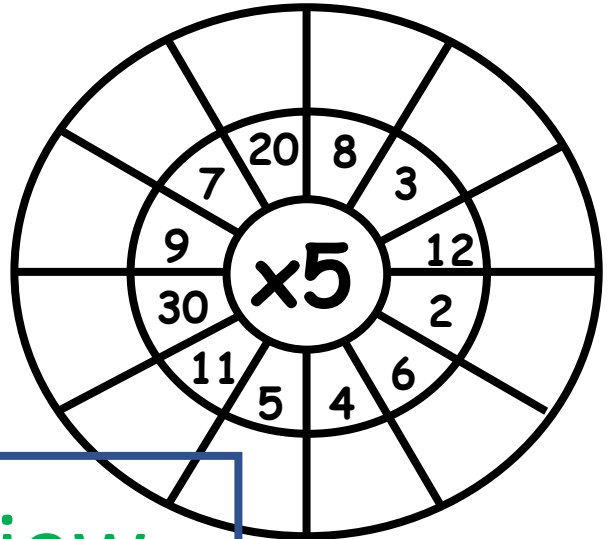
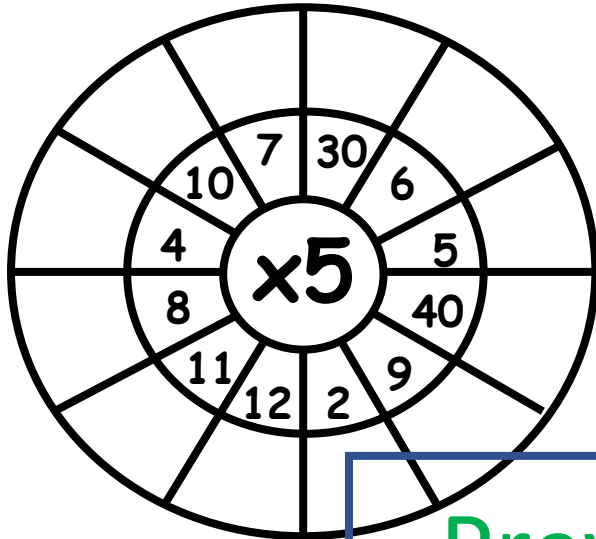
Preview



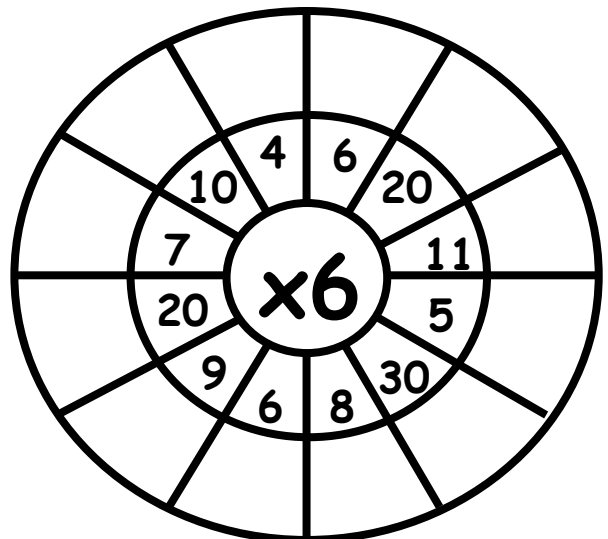
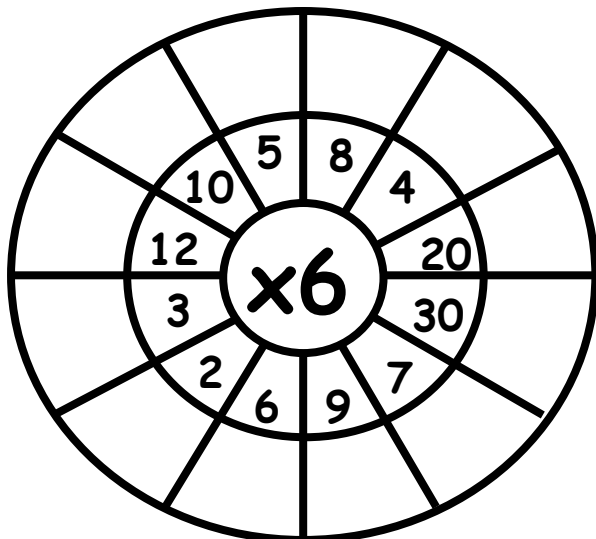
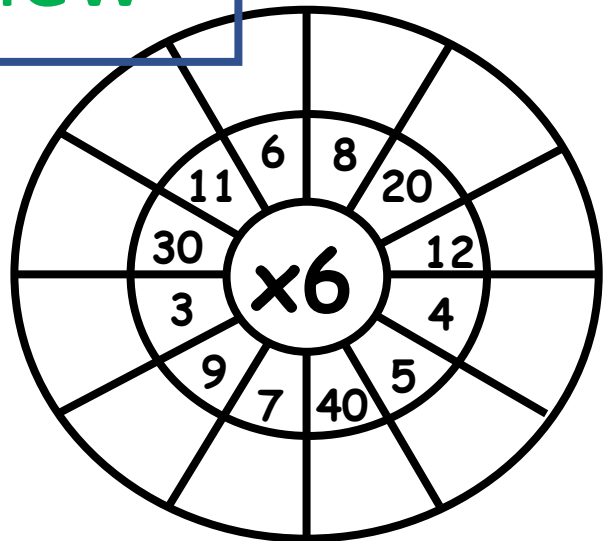
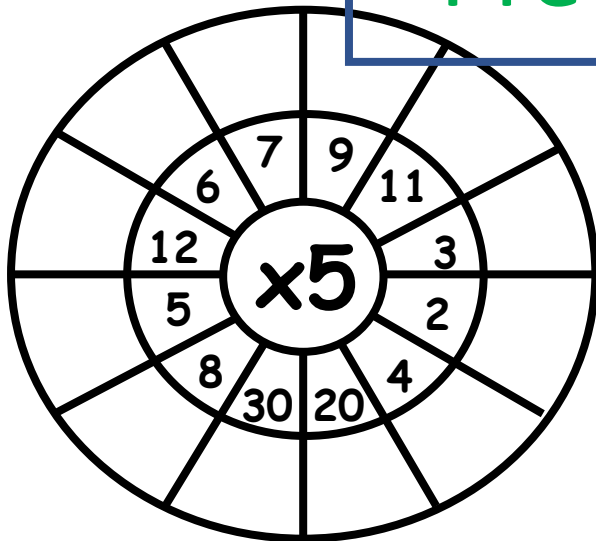
Name: _____



Mental Math Wheel



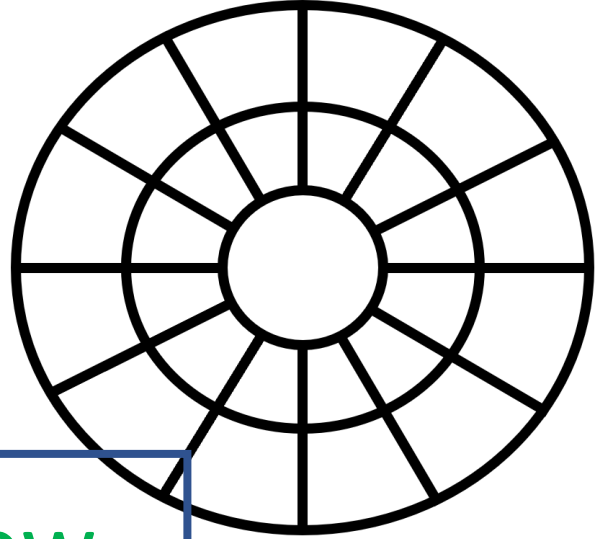
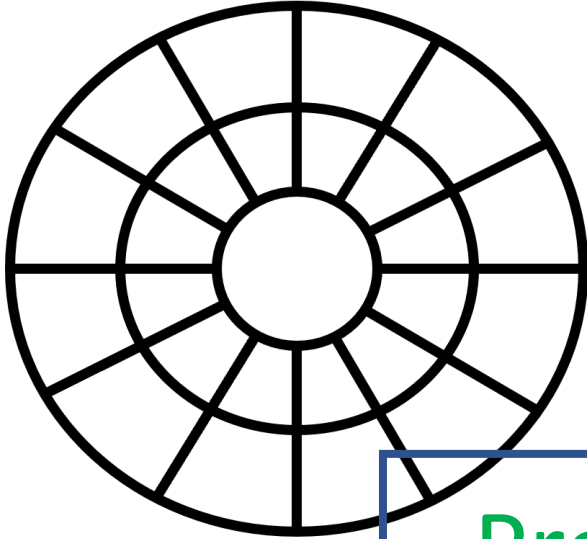
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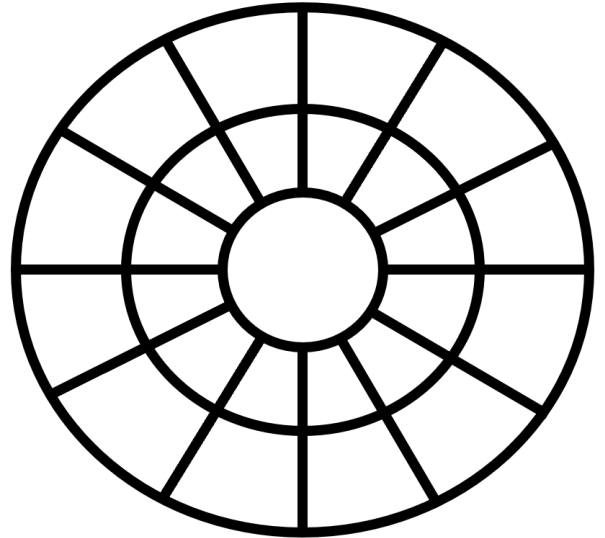
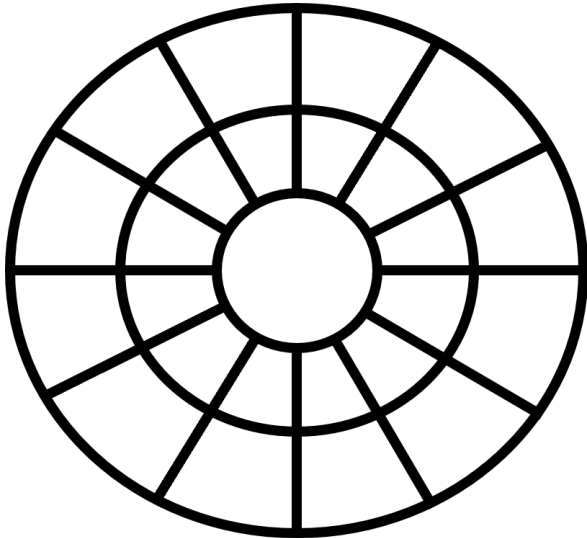
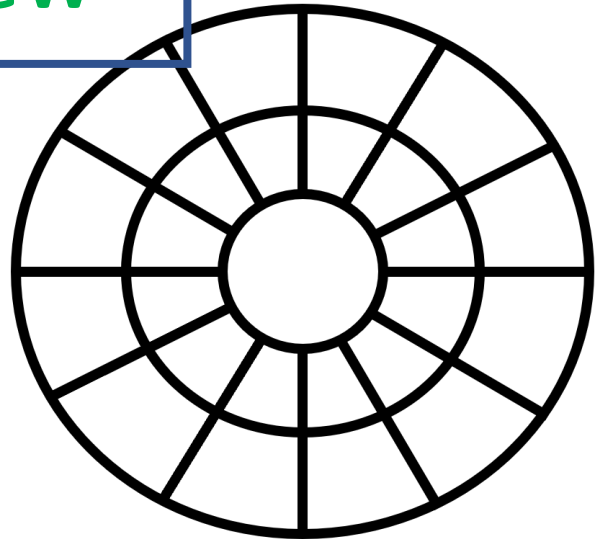
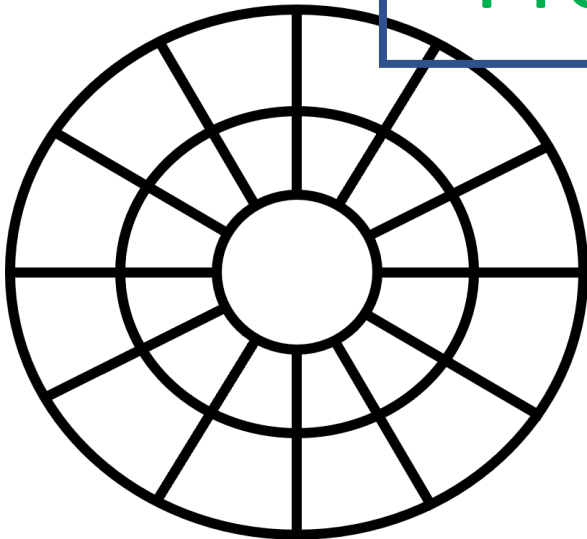
Name: _____



Mental Math Wheel



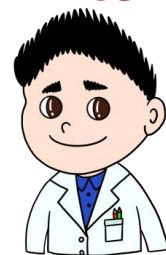
Preview



Name: _____



Mental Math Squares



Add numbers across and down to fill the empty boxes. The first one is done.

20	8	28	5	14	
10	12	22	8	11	
30	20	50			

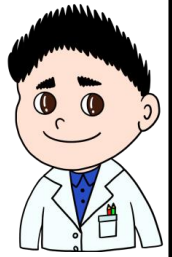
12	9		7	14	
8	10		9	10	

5	18		10	10	
12	12		14	15	

Name: _____



Mental Math Squares



Add numbers across and down to fill the empty boxes.

23	22		19	11	
26	31		22	32	

Preview

35	30		24	24	
25	23		30	25	

27	14		32	34	
16	29		26	35	

Name: _____



Mental Math Squares



Add numbers across and down to fill the empty boxes.

44	42		19	19	
50	35		33	24	

Preview

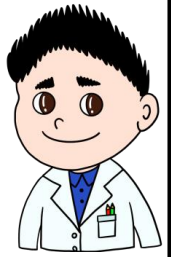
42	28		51	54	
45	29		24	28	

27	29		55	58	
39	37		54	24	

Name: _____



Mental Math Squares



Add numbers across and down to fill the empty boxes.

Preview

