FUNdamental Math

WORKBOOK

NAME:

"IT'S NOT THAT I'M SO SMART, IT'S THAT I STAY WITH PROBLEMS LONGER."

ADDITION

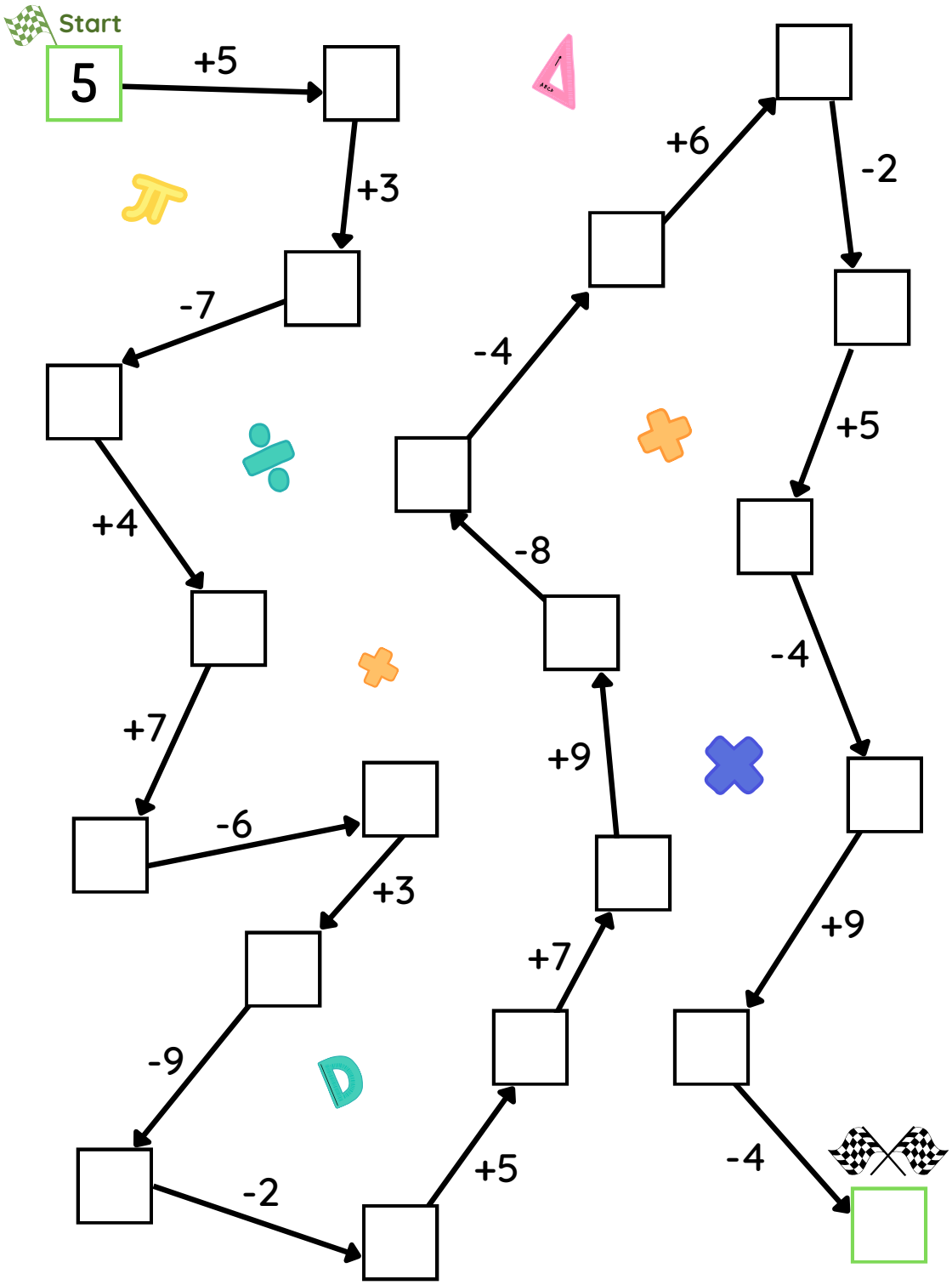
Word Clues

add	total
together	sum
plus	combined
increase	join
in all	more than
altogether	both

Step by Step Calculation

Date: .....

- Find the empty boxes in the puzzle by calculating.



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ADDITION *daily drill*

MONDAY	TUESDAY	WEDNESDAY
1 + 2 = _____	11 + 2 = _____	9 + 9 = _____
6 + 5 = _____	2 + 4 = _____	8 + 6 = _____
6 + 2 = _____	4 + 12 = _____	6 + 9 = _____
1 + 9 = _____	11 + 9 = _____	11 + 9 = _____
12 + 4 = _____	2 + 4 = _____	4 + 8 = _____
3 + 5 = _____	2 + 8 = _____	4 + 5 = _____
5 + 9 = _____	5 + 2 = _____	3 + 10 = _____
3 + 7 = _____	4 + 9 = _____	4 + 4 = _____
3 + 3 = _____	2 + 1 = _____	2 + 12 = _____
4 + 9 = _____	2 + 6 = _____	9 + 8 = _____
1 + 0 = _____	1 + 10 = _____	1 + 10 = _____
1 + 12 = _____	12 + 4 = _____	11 + 2 = _____
6 + 6 = _____	3 + 5 = _____	6 + 9 = _____
8 + 7 = _____	3 + 9 = _____	8 + 4 = _____
9 + 2 = _____	9 + 8 = _____	9 + 5 = _____
____ / 15	____ / 15	____ / 15

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ADDITION *daily drill*

THURSDAY	FRIDAY	SATURDAY
11 + 5 = _____	7 + 12 = _____	9 + 4 = _____
4 + 8 = _____	4 + 4 = _____	8 + 8 = _____
6 + 12 = _____	9 + 2 = _____	1 + 3 = _____
11 + 3 = _____	1 + 6 = _____	10 + 9 = _____
2 + 7 = _____	12 + 4 = _____	4 + 12 = _____
4 + 9 = _____	2 + 5 = _____	4 + 3 = _____
0 + 9 = _____	5 + 12 = _____	2 + 11 = _____
4 + 9 = _____	10 + 3 = _____	4 + 12 = _____
2 + 12 = _____	12 + 10 = _____	12 + 12 = _____
3 + 9 = _____	9 + 8 = _____	5 + 9 = _____
1 + 10 = _____	10 + 10 = _____	11 + 5 = _____
11 + 2 = _____	2 + 9 = _____	3 + 12 = _____
6 + 3 = _____	3 + 2 = _____	4 + 8 = _____
9 + 7 = _____	7 + 9 = _____	2 + 12 = _____
9 + 12 = _____	9 + 0 = _____	10 + 5 = _____
____ / 15	____ / 15	____ / 15

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TIMED TEST

ADDITION

2+4=___	1+3=___	5+6=___
1+7=___	2+6=___	8+3=___
9+3=___	2+8=___	7+3=___
2+1=___	6+6=___	9+7=___
7+7=___	3+5=___	5+5=___
2+3=___	5+8=___	2+1=___
8+8=___	7+6=___	9+9=___

Date _____ Score: _____

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Missing Addends

Directions: Write the correct number in the box to make the number sentence true.

___ + 5 = 8	8 + ___ = 8
5 + ___ = 9	___ + 5 = 10
___ + 5 = 7	___ + 4 = 9
4 + ___ = 8	___ + 6 = 11
6 + ___= 9	3 + ___ = 7
___ + 8 = 12	___ + 4 = 6
___ + 3 = 5	___ + 5 = 12
6 +___ = 8	___ + 7 = 8

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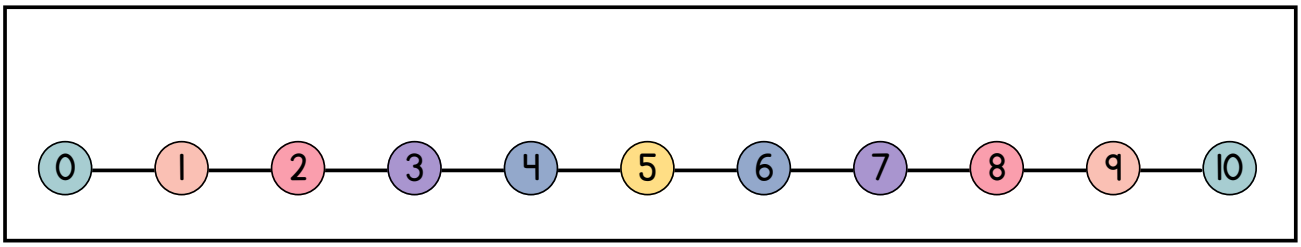
DATE:

NUMBERS TO 10 addition



1 + 5 = _____	7 + 2 = _____	2 + 4 = _____
4 + 3 = _____	4 + 4 = _____	8 + 0 = _____
6 + 2 = _____	8 + 2 = _____	1 + 3 = _____
1 + 3 = _____	1 + 6 = _____	1 + 9 = _____
2 + 7 = _____	2 + 4 = _____	4 + 2 = _____
4 + 4 = _____	2 + 5 = _____	4 + 3 = _____
0 + 9 = _____	5 + 2 = _____	2 + 1 = _____
4 + 2 = _____	0 + 3 = _____	5 + 2 = _____
2 + 2 = _____	2 + 0 = _____	6 + 2 = _____
3 + 3 = _____	2 + 8 = _____	3 + 6 = _____
1 + 6 = _____	10 + 0 = _____	1 + 5 = _____
1 + 2 = _____	1 + 9 = _____	3 + 6 = _____
6 + 3 = _____	3 + 2 = _____	4 + 6 = _____
9 + 7 = _____	7 + 3 = _____	2 + 2 = _____
9 + 1 = _____	9 + 0 = _____	1 + 5 = _____

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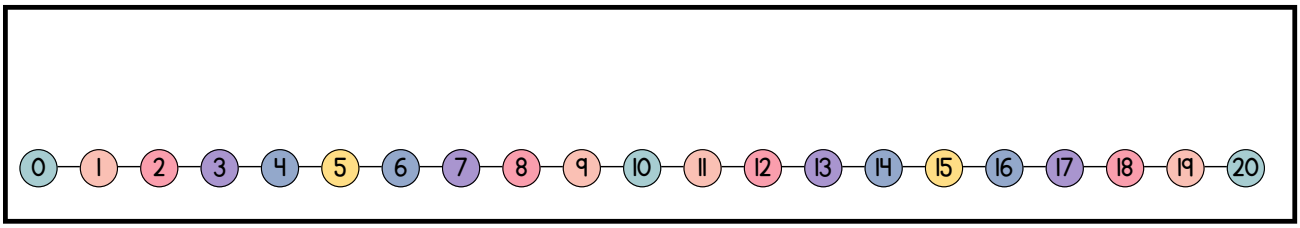
DATE:

NUMBERS TO 20 addition



11 + 5 = _____	17 + 2 = _____	12 + 4 = _____
4 + 13 = _____	5 + 14 = _____	8 + 10 = _____
16 + 8 = _____	9 + 2 = _____	10 + 3 = _____
9 + 13 = _____	11 + 6 = _____	11 + 9 = _____
12 + 7 = _____	15 + 4 = _____	14 + 0 = _____
4 + 12 = _____	2 + 15 = _____	13 + 5 = _____
10 + 9 = _____	1 + 18 = _____	20 + 0 = _____
8 + 12 = _____	14 + 6 = _____	5 + 6 = _____
12 + 5 = _____	12 + 0 = _____	7 + 4 = _____
7 + 8 = _____	2 + 14 = _____	7 + 6 = _____
11 + 6 = _____	10 + 10 = _____	9 + 5 = _____
1 + 12 = _____	1 + 19 = _____	3 + 9 = _____
0 + 13 = _____	3 + 12 = _____	4 + 6 = _____
9 + 7 = _____	7 + 13 = _____	4 + 9 = _____
9 + 11 = _____	9 + 10 = _____	13 + 5 = _____

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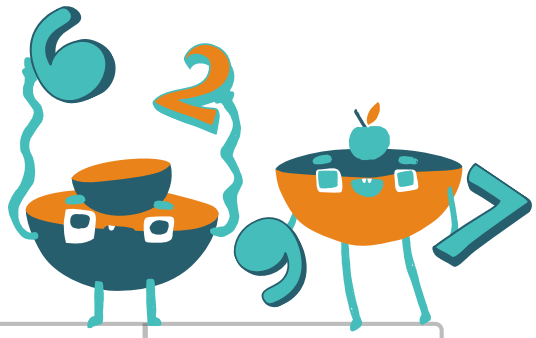
Date: _____

Two-Digit Addition



16 +13 ____	18 +17 ____	21 +15 ____	34 +22 ____
56 +15 ____	44 +31 ____	70 +21 ____	38 +12 ____
81 +43 ____	90 +13 ____	25 +32 ____	36 +53 ____
18 +93 ____	68 +24 ____	53 +12 ____	74 +32 ____
62 +52 ____	94 +23 ____	22 +71 ____	68 +40 ____

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Date: ____________________

Why didn't the skeleton cross the road?

Solve the addition problems. Use the answers to solve the riddle by writing the letters with their answers on the lines below.

A 276 + 81 = ___	**C** 297 + 34 = ___	**H** 81 + 55 = ___	**S** 199 + 177 = ___	**D** 104 + 217 = ___
N 275 + 294 = ___	**V** 57 + 42 = ___	**G** 66 + 37 = ___	**B** 371 + 278 = ___	**E** 87 + 56 = ___
U 345 + 155 = ___	**T** 18 + 18 = ___	**I** 493 + 398 = ___		

___ ___ ___ ___ ___ ___ ___   ___ ___   ___ ___ ___ ___' ___
649 143 331 357 500 376 143   136 143   321 891 321 569 36

___ ___ ___ ___   ___ ___ ___   ___ ___ ___ ___.
136 357 99 143   36 136 143   103 500 36 376

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SUBTRACTION

Word Clues

minus

difference

subtract

reduce

remove

decrease

less than

deduct

left over

take away

how many more?

Date

Time to do subtraction!

6 -3	7 -5	10 -3	8 -2
8 -7	6 -1	3 -2	5 -2
7 -3	10 -5	8 -1	7 -7
5 -2	9 -4	8 -3	9 -3

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SUBTRACTION DRILLS

3 - 1 = _____	8 - 7 = _____	10 - 5 = _____
2 - 1 = _____	8 - 6 = _____	10 - 8 = _____
3 - 2 = _____	8 - 5 = _____	10 - 4 = _____
4 - 1 = _____	8 - 3 = _____	10 - 6 = _____
4 - 2 = _____	8 - 1 = _____	10 - 2 = _____
5 - 3 = _____	8 - 4 = _____	10 - 9 = _____
4 - 3 = _____	8 - 2 = _____	7 - 3 = _____
5 - 4 = _____	9 - 8 = _____	8 - 5 = _____
5 - 2 = _____	9 - 1 = _____	4 - 3 = _____
6 - 4 = _____	9 - 7 = _____	6 - 2 = _____
6 - 3 = _____	9 - 5 = _____	9 - 8 = _____
6 - 2 = _____	9 - 6 = _____	5 - 1 = _____
6 - 5 = _____	9 - 3 = _____	8 - 4 = _____
6 - 1 = _____	9 - 4 = _____	7 - 2 = _____
7 - 1 = _____	9 - 2 = _____	9 - 6 = _____
7 - 6 = _____	10 - 1 = _____	10 - 8 = _____
7 - 4 = _____	10 - 7 = _____	7 - 5 = _____
7 - 2 = _____	10 - 3 = _____	8- 6 = _____
7 -3 = _____	10 - 9 = _____	10 - 7 = _____
7 - 5 = _____	10 - 2 = _____	8 - 2 = _____

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DATE:

SUBTRACTION *from 10*

9 - 2 = _____	3 - 2 = _____	10 - 8 = _____
6 - 5 = _____	10 - 5 = _____	6 - 1 = _____
6 - 2 = _____	9 - 3 = _____	4 - 0 = _____
2 - 0 = _____	9 - 9 = _____	7 - 4 = _____
9 - 4 = _____	10 - 6 = _____	9 - 9 = _____
8 - 5 = _____	5 - 4 = _____	7 - 5 = _____
10 - 9 = _____	7 - 5 = _____	10 - 4 = _____
9 - 7 = _____	6 - 5 = _____	6 - 5 = _____
4 - 3 = _____	8 - 6 = _____	5- 3 = _____
10 - 9 = _____	6 - 4 = _____	8 - 0 = _____
8 - 3 = _____	9 - 9 = _____	7 - 6 = _____
2 - 1 = _____	9 - 2 = _____	8 - 2 = _____
6 - 6 = _____	6 - 3 = _____	6 - 6 = _____
8 - 7 = _____	4 - 4 = _____	8 - 7 = _____
3 - 2 = _____	10 - 5 = _____	9 - 4 = _____

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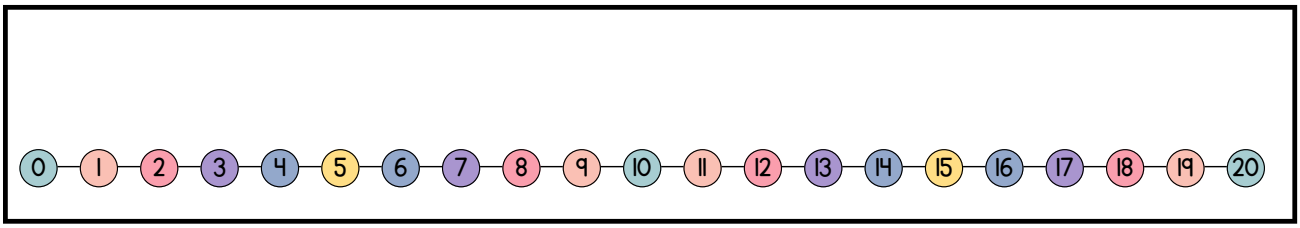
NAME: DATE:

SUBTRACTION *from 20*



9 - 2 = _____	3 - 2 = _____	10 - 8 = _____
6 - 5 = _____	10 - 5 = _____	16 - 9 = _____
16 - 2 = _____	12 - 3 = _____	4 - 0 = _____
2 - 0 = _____	11 - 9 = _____	17 - 4 = _____
12 - 4 = _____	10 - 6 = _____	18 - 9 = _____
8 - 5 = _____	5 - 4 = _____	13 - 9 = _____
10 - 9 = _____	17 - 8 = _____	20 - 4 = _____
9 - 7 = _____	13 - 7 = _____	6 - 5 = _____
14 - 3 = _____	13 - 6 = _____	15- 3 = _____
11 - 9 = _____	14 - 7 = _____	18 - 0 = _____
17 - 9 = _____	19 - 9 = _____	11 - 6 = _____
12 - 1 = _____	19 - 12 = _____	18 - 12 = _____
6 - 6 = _____	6 - 3 = _____	13 - 6 = _____
8 - 7 = _____	14 - 4 = _____	18 - 17 = _____
13 - 2 = _____	20 - 5 = _____	19 - 14 = _____

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Date: _____

What's missing?

Fill in the missing numbers to make these equations correct. The first one has been done for you to serve as an example.

14 − [8] = 6

10 − 3 = [ ]

[ ] − 8 = 8

11 − [ ] = 9

10 − [ ] = 4

[ ] − 7 = 3

15 − 5 = [ ]

[ ] − 6 = 6

5 − [ ] = 1

9 − 8 = [ ]

[ ] − 5 = 7

13 − 6 = [ ]

16 − [ ] = 14

[ ] − 9 = 9

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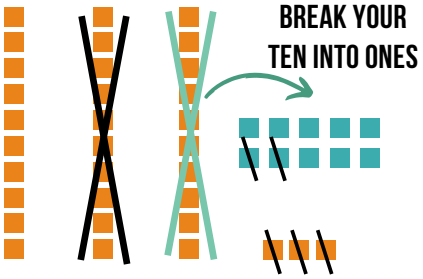
DATE: _____

SUBTRACTION with regrouping

CHOOSE A STRATEGY THEN SOLVE THE EQUATIONS ON THE NEXT PAGE.

BASE 10 DRAWINGS



33
- 15
18

TRADITIONAL

2 13
~~3~~3
-15
18

MORE ON THE FLOOR? GO NEXT DOOR AND GET 10 MORE!

ZERO ZAPPER

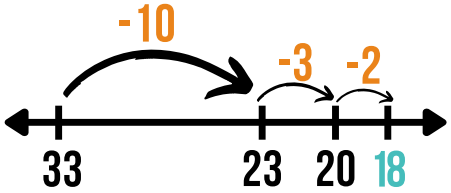
30-16

30 - 1 = 29

16 - 1 = 15

14

NUMBER LINE



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SUBTRACTION with regrouping

TIME TO PRACTICE! SOLVE THE EQUATIONS BELOW:

53-38 =	27-19 =
84-36 =	40-26 =

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MENTAL MATH

Addition & Subtraction

Date: _____

Complete as many questions as you can in 3 minutes.

11 + 7 =	13 − 10 =
22 + 13 =	23 − 2 =
15 + 3 =	16 − 12 =
4 + 19 =	10 − 6 =
21 + 15 =	15 − 6 =
4 + 13 =	28 − 11 =
32 + 5 =	13 − 5 =
15 + 4 =	21 − 13 =
12 + 9 =	25 − 14 =
14 + 4 =	12 − 4 =
13 + 6 =	13 − 8 =
3 + 19 =	22 − 10 =
12 + 5 =	13 − 7 =
13 + 7 =	25 − 12 =

/28

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MULTIPLICATION

Word Clues

per	by
groups of	times
multiply	product
lots of	as much as
double	twice

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MULTIPLICATION

1

1 x 0 = **0**
1 x 1 = **1**
1 x 2 = **2**
1 x 3 = **3**
1 x 4 = **4**
1 x 5 = **5**
1 x 6 = **6**
1 x 7 = **7**
1 x 8 = **8**
1 x 9 = **9**
1 x 10 = **10**
1 x 11 = **11**
1 x 12 = **12**

2

2 x 0 = **0**
2 x 1 = **2**
2 x 2 = **4**
2 x 3 = **6**
2 x 4 = **8**
2 x 5 = **10**
2 x 6 = **12**
2 x 7 = **14**
2 x 8 = **16**
2 x 9 = **18**
2 x 10 = **20**
2 x 11 = **22**
2 x 12 = **24**

3

3 x 0 = **0**
3 x 1 = **3**
3 x 2 = **6**
3 x 3 = **9**
3 x 4 = **12**
3 x 5 = **15**
3 x 6 = **18**
3 x 7 = **21**
3 x 8 = **24**
3 x 9 = **27**
3 x 10 = **30**
3 x 11 = **33**
3 x 12 = **36**

4

4 x 0 = **0**
4 x 1 = **4**
4 x 2 = **8**
4 x 3 = **12**
4 x 4 = **16**
4 x 5 = **20**
4 x 6 = **24**
4 x 7 = **28**
4 x 8 = **32**
4 x 9 = **36**
4 x 10 = **40**
4 x 11 = **44**
4 x 12 = **48**

5

5 x 0 = **0**
5 x 1 = **5**
5 x 2 = **10**
5 x 3 = **15**
5 x 4 = **20**
5 x 5 = **25**
5 x 6 = **30**
5 x 7 = **35**
5 x 8 = **40**
5 x 9 = **45**
5 x 10 = **50**
5 x 11 = **55**
5 x 12 = **60**

6

6 x 0 = **0**
6 x 1 = **6**
6 x 2 = **12**
6 x 3 = **18**
6 x 4 = **24**
6 x 5 = **30**
6 x 6 = **36**
6 x 7 = **42**
6 x 8 = **48**
6 x 9 = **54**
6 x 10 = **60**
6 x 11 = **66**
6 x 12 = **72**

7

7 x 0 = **0**
7 x 1 = **7**
7 x 2 = **14**
7 x 3 = **21**
7 x 4 = **28**
7 x 5 = **35**
7 x 6 = **42**
7 x 7 = **49**
7 x 8 = **56**
7 x 9 = **63**
7 x 10 = **70**
7 x 11 = **77**
7 x 12 = **84**

8

8 x 0 = **0**
8 x 1 = **8**
8 x 2 = **16**
8 x 3 = **24**
8 x 4 = **32**
8 x 5 = **40**
8 x 6 = **48**
8 x 7 = **56**
8 x 8 = **64**
8 x 9 = **72**
8 x 10 = **80**
8 x 11 = **88**
8 x 12 = **96**

9

9 x 0 = **0**
9 x 1 = **9**
9 x 2 = **18**
9 x 3 = **27**
9 x 4 = **36**
9 x 5 = **45**
9 x 6 = **54**
9 x 7 = **63**
9 x 8 = **72**
9 x 9 = **81**
9 x 10 = **90**
9 x 11 = **99**
9 x 12 = **108**

10

10 x 0 = **0**
10 x 1 = **10**
10 x 2 = **20**
10 x 3 = **30**
10 x 4 = **40**
10 x 5 = **50**
10 x 6 = **60**
10 x 7 = **70**
10 x 8 = **80**
10 x 9 = **90**
10 x 10 = **100**
10 x 11 = **110**
10 x 12 = **120**

11

11 x 0 = **0**
11 x 1 = **11**
11 x 2 = **22**
11 x 3 = **33**
11 x 4 = **44**
11 x 5 = **55**
11 x 6 = **66**
11 x 7 = **77**
11 x 8 = **88**
11 x 9 = **99**
11 x 10 = **110**
11 x 11 = **121**
11 x 12 = **132**

12

12 x 0 = **0**
12 x 1 = **12**
12 x 2 = **24**
12 x 3 = **36**
12 x 4 = **48**
12 x 5 = **60**
12 x 6 = **72**
12 x 7 = **84**
12 x 8 = **96**
12 x 9 = **108**
12 x 10 = **120**
12 x 11 = **132**
12 x 12 = **144**

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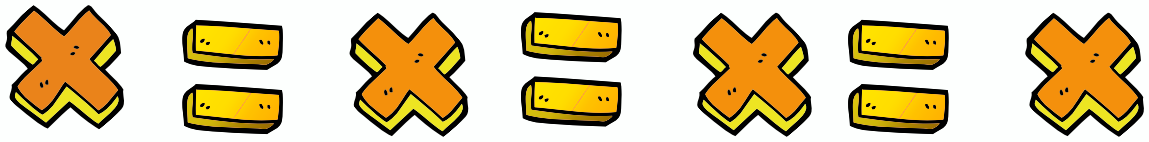
Time taken to complete: Score:

TIMES TABLE GRID



x	1	2	3	4	5	6	7	8	9	10	11	12
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

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Date: .....

MULTIPLICATION CHART

Multiply each row with the corresponding column

×	9	7	8	6	2	4	10	3	1	5
1										
10										
4										
6										
2										
3										
5										
8										
9										
7										

Time: _____

Score: _____ /100

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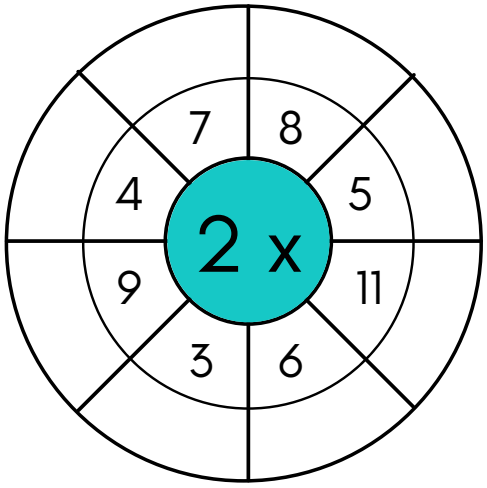
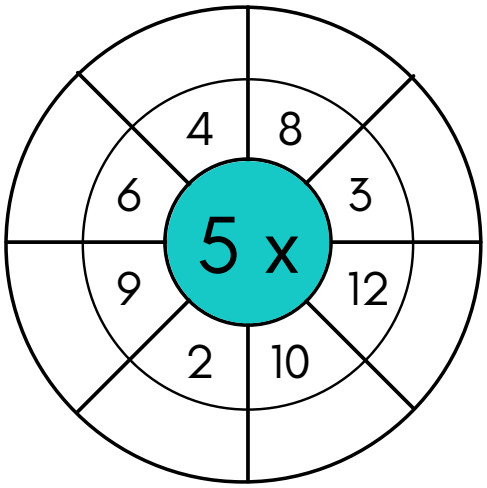
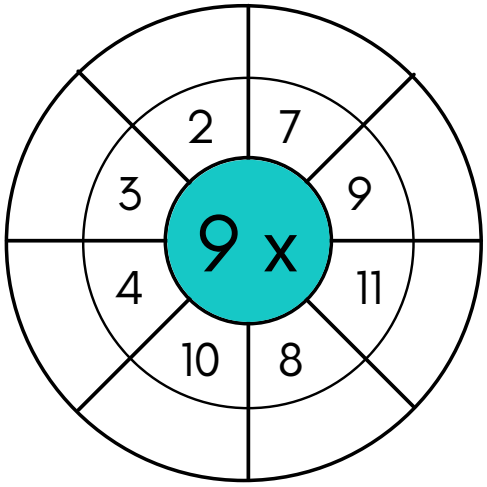
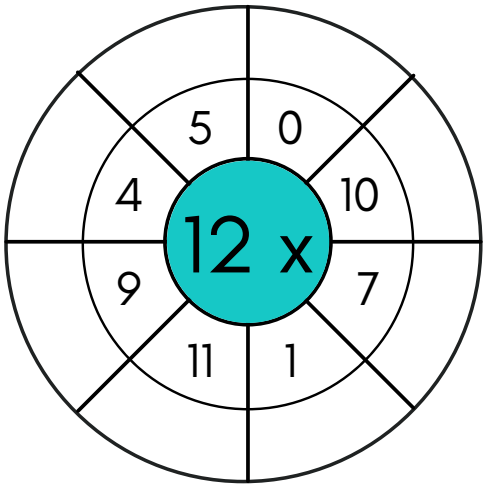
MULTIPLICATION WHEEL

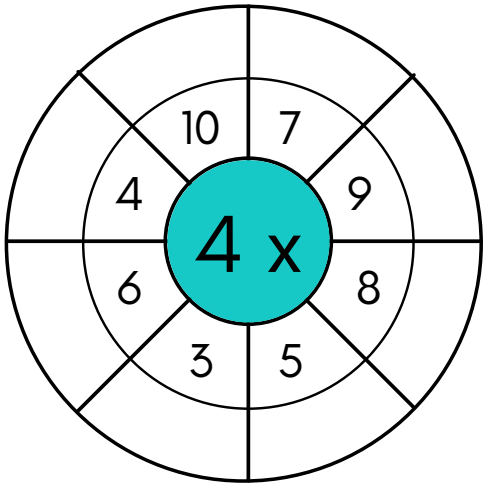
Complete these multiplication wheels.
Remember to check your answers!

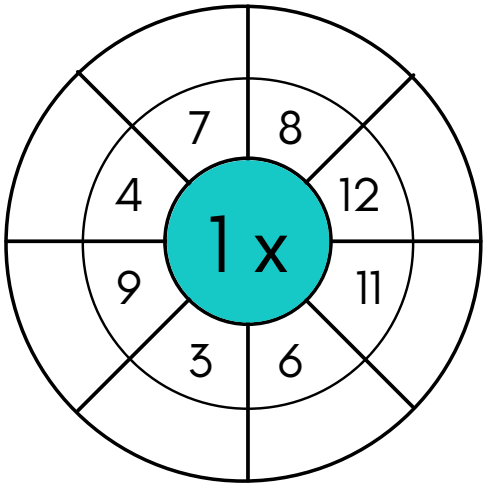












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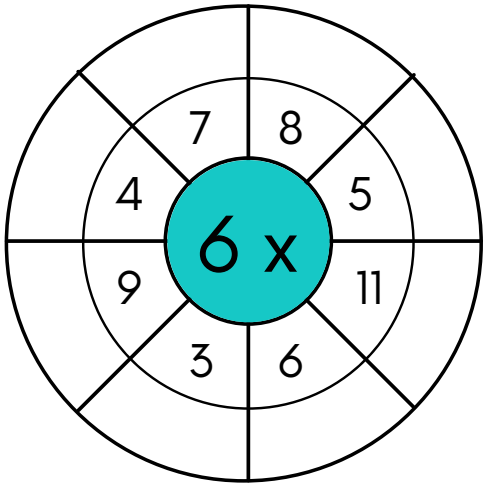
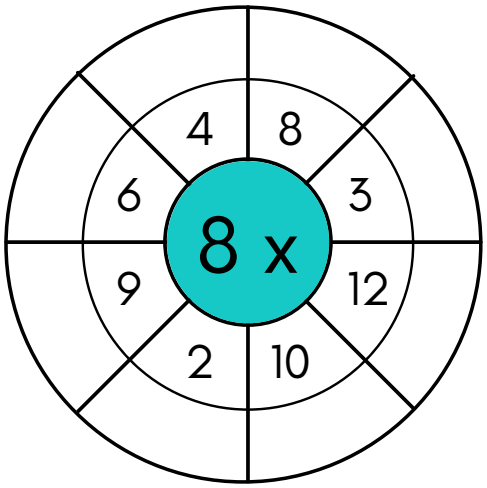
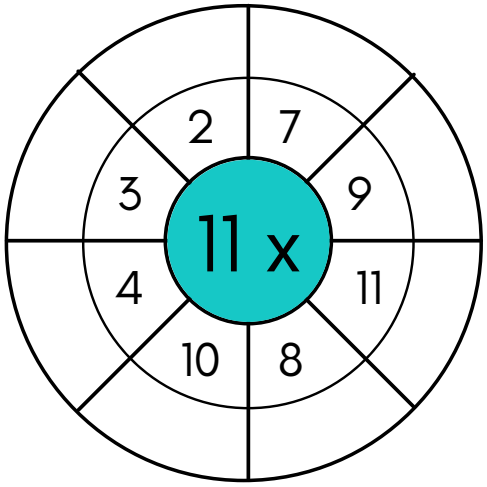
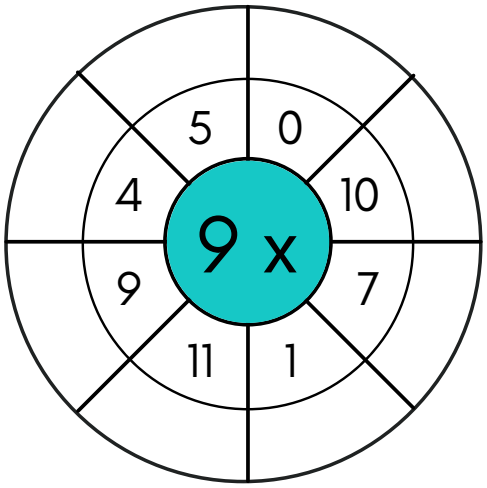
MULTIPLICATION WHEEL

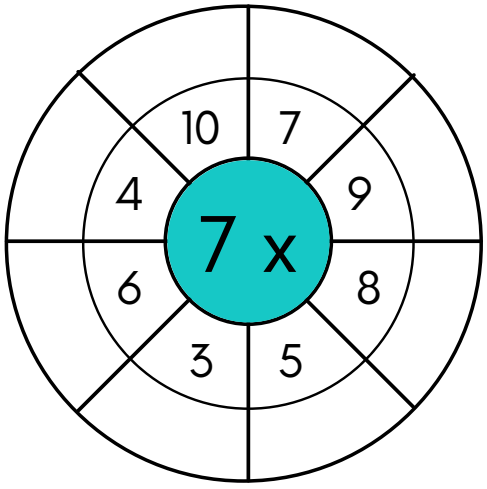
Complete these multiplication wheels.
Remember to check your answers!

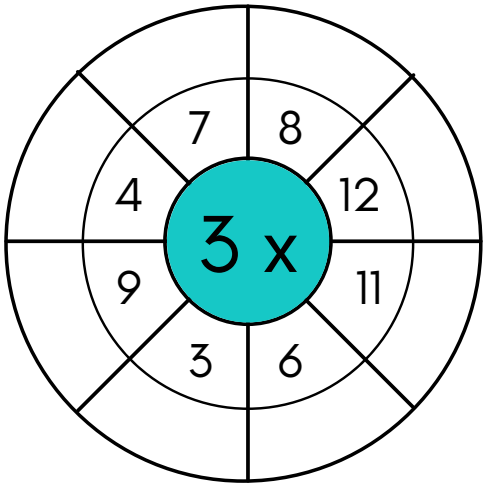












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Multiplication Chart Challenge

Date: _____

Complete this multiplication chart.

X	3	1	4	0	2	5
1	3	1	4			
3						
5						
4						
2						
0						

Fill in the missing numbers in the multiplication chart.

X	2	3				
4		12				
		0				
		3		8		
	10				0	
		9				15
2			8			

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TIMES TABLES

1	X	1	=		
2	X	1	=		
3	X	1	=		
4	X	1	=		
5	X	1	=		
6	X	1	=		
7	X	1	=		
8	X	1	=		
9	X	1	=		
10	X	1	=		
11	X	1	=		
12	X	1	=		

1	X	2	=		
2	X	2	=		
3	X	2	=		
4	X	2	=		
5	X	2	=		
6	X	2	=		
7	X	2	=		
8	X	2	=		
9	X	2	=		
10	X	2	=		
11	X	2	=		
12	X	2	=		

1	X	3	=		
2	X	3	=		
3	X	3	=		
4	X	3	=		
5	X	3	=		
6	X	3	=		
7	X	3	=		
8	X	3	=		
9	X	3	=		
10	X	3	=		
11	X	3	=		
12	X	3	=		

1	X	4	=		
2	X	4	=		
3	X	4	=		
4	X	4	=		
5	X	4	=		
6	X	4	=		
7	X	4	=		
8	X	4	=		
9	X	4	=		
10	X	4	=		
11	X	4	=		
12	X	4	=		

1	X	5	=		
2	X	5	=		
3	X	5	=		
4	X	5	=		
5	X	5	=		
6	X	5	=		
7	X	5	=		
8	X	5	=		
9	X	5	=		
10	X	5	=		
11	X	5	=		
12	X	5	=		

1	X	6	=		
2	X	6	=		
3	X	6	=		
4	X	6	=		
5	X	6	=		
6	X	6	=		
7	X	6	=		
8	X	6	=		
9	X	6	=		
10	X	6	=		
11	X	6	=		
12	X	6	=		

1	X	7	=		
2	X	7	=		
3	X	7	=		
4	X	7	=		
5	X	7	=		
6	X	7	=		
7	X	7	=		
8	X	7	=		
9	X	7	=		
10	X	7	=		
11	X	7	=		
12	X	7	=		

1	X	8	=		
2	X	8	=		
3	X	8	=		
4	X	8	=		
5	X	8	=		
6	X	8	=		
7	X	8	=		
8	X	8	=		
9	X	8	=		
10	X	8	=		
11	X	8	=		
12	X	8	=		

1	X	9	=		
2	X	9	=		
3	X	9	=		
4	X	9	=		
5	X	9	=		
6	X	9	=		
7	X	9	=		
8	X	9	=		
9	X	9	=		
10	X	9	=		
11	X	9	=		
12	X	9	=		

1	X	10	=		
2	X	10	=		
3	X	10	=		
4	X	10	=		
5	X	10	=		
6	X	10	=		
7	X	10	=		
8	X	10	=		
9	X	10	=		
10	X	10	=		
11	X	10	=		
12	X	10	=		

1	X	11	=		
2	X	11	=		
3	X	11	=		
4	X	11	=		
5	X	11	=		
6	X	11	=		
7	X	11	=		
8	X	11	=		
9	X	11	=		
10	X	11	=		
11	X	11	=		
12	X	11	=		

1	X	12	=		
2	X	12	=		
3	X	12	=		
4	X	12	=		
5	X	12	=		
6	X	12	=		
7	X	12	=		
8	X	12	=		
9	X	12	=		
10	X	12	=		
11	X	12	=		
12	X	12	=		

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MULTIPLICATION *daily drill*

MONDAY	TUESDAY	WEDNESDAY
1 x 2 = _____	12 x 1 = _____	5 x 6 = _____
6 x 5 = _____	11 x 11 = _____	1 x 1 = _____
6 x 2 = _____	1 x 2 = _____	4 x 12 = _____
1 x 9 = _____	10 x 3 = _____	6 x 3 = _____
12 x 4 = _____	7 x 4 = _____	9 x 8 = _____
3 x 5 = _____	12 x 4 = _____	10 x 5 = _____
0 x 9 = _____	7 x 6 = _____	9 x 6 = _____
3 x 7 = _____	1 x 5 = _____	7 x 7 = _____
3 x 3 = _____	10 x 8 = _____	12 x 5 = _____
4 x 9 = _____	5 x 5 = _____	11 x 8 = _____
1 x 0 = _____	1 x 1 = _____	10 x 10 = _____
1 x 12 = _____	3 x 4 = _____	12 x 2 = _____
6 x 6 = _____	8 x 6 = _____	5 x 9 = _____
8 x 7 = _____	9 x 12 = _____	8 x 9 = _____
9 x 2 = _____	8 x 8 = _____	11 x 12 = _____
____ / 15	____ / 15	____ / 15

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MULTIPLICATION *daily drill*

THURSDAY	FRIDAY	FAST FINISHER
4 x 2 = _____	10 x 4 = _____	12 x 6 = _____
4 x 5 = _____	10 x 8 = _____	11 x 12 = _____
6 x 3 = _____	11 x 2 = _____	4 x 2 = _____
7 x 7 = _____	1 x 12 = _____	3 x 9 = _____
12 x 4 = _____	7 x 6 = _____	9 x 0 = _____
12 x 3 = _____	2 x 4 = _____	10 x 5 = _____
10 x 8 = _____	4 x 9 = _____	9 x 6 = _____
3 x 2 = _____	11 x 5 = _____	4 x 3 = _____
8 x 8 = _____	4 x 0 = _____	2 x 9 = _____
4 x 7 = _____	2 x 8 = _____	1 x 12 = _____
1 x 10 = _____	11 x 11 = _____	12 x 9 = _____
4 x 11 = _____	6 x 4 = _____	6 x 9 = _____
5 x 6 = _____	8 x 9 = _____	5 x 8 = _____
8 x 6 = _____	9 x 2 = _____	8 x 7 = _____
9 x 12 = _____	3 x 9 = _____	10 x 6 = _____
____ / 15	____ / 15	____ / 15

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Mental Math

Set 2: Multiplication & Division

Learning goal: To improve my mental math skill & speed.
Give yourself one minute to complete as many questions as you can!

4 x 7 =	121 ÷ 11 =
3 x 11 =	25 ÷ 5 =
11 x 5 =	48 ÷ 6 =
4 x 9 =	40 ÷ 5 =
4 x 12 =	16 ÷ 8 =
6 x 7 =	64 ÷ 8 =
2 x 9 =	32 ÷ 4 =
12 x 3 =	36 ÷ 9 =
5 x 9 =	27 ÷ 3 =
4 x 8 =	56 ÷ 7 =
8 x 6 =	24 ÷ 6 =
6 x 12 =	55 ÷ 5 =

/24

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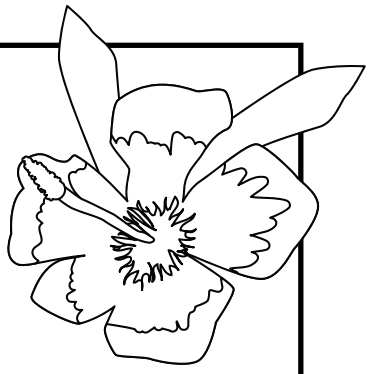
Spring Multiplication



Colour the tiles below to reveal the picture:

pink	yellow	green	orange	blue
30	12	20	50	15

5 x 3	1 x 15	3 x 5	15 x 1	5 x 3	1 x 15	3 x 5
1 x 15	1 x 30	1 x 15	2 x 15	3 x 5	30 x 1	5 x 3
5 x 3	3 x 5	10 x 3	5 x 10	3 x 10	15 x 1	3 x 5
15 x 1	15 x 2	2 x 25	3 x 4	10 x 5	30 x 1	5 x 3
5 x 3	1 x 15	3 x 10	25 x 2	1 x 30	1 x 15	3 x 5
1 x 15	3 x 10	1 x 15	10 x 3	15 x 1	15 x 2	1 x 15
5 x 3	3 x 5	3 x 5	4 x 5	3 x 5	1 x 15	15 x 1
15 x 1	1 x 15	10 x 2	5 x 4	20 x 1	15 x 1	3 x 5
5 x 3	5 x 3	15 x 1	10 x 2	15 x 1	5 x 3	3 x 5
1 x 15	5 x 3	3 x 5	2 x 10	5 x 3	15 x 1	1 x 15

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Date:

MULTIPLY BY 2

Practice your multiplication skills by writing the correct answer in the box provided.

2 x 2 =	6 x 2 =
7 x 2 =	24 x 2 =
10 x 2 =	5 x 2 =
12 x 2 =	8 x 2 =
22 x 2 =	28 x 2 =
50 x 2 =	16 x 2 =
100 x 2 =	40 x 2 =
90 x 2 =	15 x 2 =

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Date:

MULTIPLY BY 3

Practice your multiplication skills by writing the correct answer in the box provided.

4	x	3	=	30	x	3	=
1200	x	3	=	90	x	3	=
9	x	3	=	7	x	3	=
50	x	3	=	12	x	3	=
6	x	3	=	8	x	3	=
3	x	3	=	11	x	3	=
5	x	3	=	10	x	3	=
4	x	3	=	7	x	3	=

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MULTIPLY BY 4

Practice your multiplication skills by writing the correct answer in the box provided.

3	x	4	=	8	x	4	=
6	x	4	=	15	x	4	=
12	x	4	=	25	x	4	=
11	x	4	=	14	x	4	=
7	x	4	=	20	x	4	=
22	x	4	=	100	x	4	=
9	x	4	=	16	x	4	=
13	x	4	=	5	x	4	=

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Date

MULTIPLY BY 5

Practice your multiplication skills by writing the correct answer in the box provided.

10	x	5	=	24	x	5	=
20	x	5	=	4	x	5	=
15	x	5	=	7	x	5	=
5	x	5	=	11	x	5	=
12	x	5	=	40	x	5	=
8	x	5	=	80	x	5	=
3	x	5	=	120	x	5	=
50	x	5	=	9	x	5	=

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Date:

MULTIPLY BY 6

Practice your multiply skills by writing the correct answer in the box provided.

12	x	6	=	15	x	6	=
3	x	6	=	25	x	6	=
9	x	6	=	20	x	6	=
42	x	6	=	7	x	6	=
30	x	6	=	120	x	6	=
5	x	6	=	90	x	6	=
8	x	6	=	6	x	6	=
12	x	6	=	2	x	6	=

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Multiplication Facts - 7x

Find each product.

7 x 1 =	3 x 7 =	7 x 11 =
7 x 8 =	7 x 2 =	5 x 7 =
7 x 3 =	0 x 7 =	9 x 7 =
8 x 7 =	7 x 7 =	7 x 10 =
7 x 9 =	11 x 7 =	7 x 6 =
7 x 5 =	4 x 7 =	12 x 7 =

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Multiplication Facts - 8x

Find each product.

8 x 1 =	3 x 8 =	8 x 11 =
8 x 8 =	8 x 2 =	8 x 7 =
8 x 3 =	0 x 8 =	9 x 8 =
8 x 6 =	8 x 8 =	8 x 10 =
8 x 9 =	11 x 8 =	5 x 8 =
3 x 8 =	4 x 8 =	12 x 8 =

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Multiplication Facts - 9x

Find each product.

9 x 1 =	3 x 9 =	9 x 11 =
9 x 8 =	9 x 2 =	9 x 7 =
9 x 3 =	0 x 9 =	9 x 6 =
8 x 9 =	9 x 9 =	9 x 10 =
6 x 9 =	11 x 9 =	5 x 9 =
3 x 9 =	4 x 9 =	12 x 9 =

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Multiplication Facts - 10x

Find each product.

10 x 1 =	3 x 10 =	10 x 11 =
10 x 8 =	10 x 2 =	5 x 10 =
10 x 3 =	0 x 10 =	9 x 10 =
8 x 10 =	10 x 10 =	7 x 10 =
10 x 9 =	11 x 10 =	10 x 6 =
10 x 5 =	4 x 10 =	12 x 10 =

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TIMES 11 DRILLS

11 X 8 =	4 X 11 =	1 X 11 =
11 X 2 =	3 X 11 =	11 X 11 =
9 X 11 =	9 X 11 =	6 X 11 =
11 X 5 =	9 X 11 =	7 X 11 =
8 X 11 =	5 X 11 =	11 X 3 =
11 X 12 =	2 X 11 =	11 X 9 =
6 X 11 =	11 X 1 =	11 X 11 =
12 X 11 =	10 X 11 =	0 X 11 =

11 X 1	11 X 2	11 X 3	11 X 4
11 X 5	11 X 6	11 X 7	11 X 8
11 X 9	11 X 10	11 X 11	11 X 12

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Multiplication Facts - 12x

Find each product.

12 x 1 =	3 x 12 =	12 x 11 =
12 x 8 =	12 x 2 =	12 x 7 =
12 x 3 =	0 x 12 =	12 x 6 =
8 x 12 =	12 x 12 =	12 x 10 =
6 x 12 =	11 x 12 =	5 x 12 =
3 x 12 =	4 x 12 =	12 x 9 =

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Date: _____

Time: _____ Score: _____

MATH DRILLS: MULTIPLICATION

2 × 2 =	4 × 8 =	5 × 7 =	7 × 0 =	3 × 4 =
3 × 6 =	6 × 1 =	2 × 3 =	6 × 7 =	4 × 5 =
7 × 8 =	4 × 6 =	8 × 9 =	5 × 8 =	2 × 4 =
4 × 0 =	6 × 8 =	7 × 9 =	2 × 6 =	3 × 7 =
3 × 9 =	2 × 5 =	12 × 3 =	3 × 8 =	5 × 6 =

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Date:

DIVIDE BY 2

Practice your division skills by writing the correct answer in the box provided.

20 ÷ 2 =	6 ÷ 2 =
18 ÷ 2 =	24 ÷ 2 =
10 ÷ 2 =	36 ÷ 2 =
12 ÷ 2 =	8 ÷ 2 =
22 ÷ 2 =	28 ÷ 2 =
50 ÷ 2 =	14 ÷ 2 =
100 ÷ 2 =	64 ÷ 2 =
90 ÷ 2 =	86 ÷ 2 =

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Date:

DIVIDE BY 3

Practice your division skills by writing the correct answer in the box provided.

30 ÷ 3 =	6 ÷ 3 =
21 ÷ 3 =	42 ÷ 3 =
60 ÷ 3 =	9 ÷ 3 =
24 ÷ 3 =	63 ÷ 3 =
12 ÷ 3 =	27 ÷ 3 =
33 ÷ 3 =	3 ÷ 3 =
18 ÷ 3 =	36 ÷ 3 =
15 ÷ 3 =	51 ÷ 3 =

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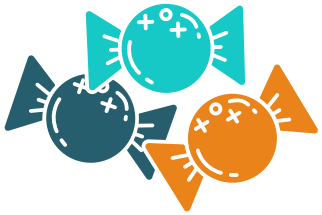
Date:



Sweet Division

Dividing by 2 and 3

4 ÷ 2 =		12 ÷ 3 =	
8 ÷ 2 =		9 ÷ 3 =	
6 ÷ 2 =		36 ÷ 3 =	
12 ÷ 2 =		15 ÷ 3 =	
18 ÷ 3 =		18 ÷ 3 =	
20 ÷ 2 =		21 ÷ 3 =	
30 ÷ 2 =		6 ÷ 3 =	
24 ÷ 2 =		24 ÷ 3 =	
28 ÷ 2 =		27 ÷ 3 =	
32 ÷ 2 =		30 ÷ 3 =	

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DIVIDE BY 4

Practice your division skills by writing the correct answer in the box provided.

40 ÷ 4 =	28 ÷ 4 =
24 ÷ 4 =	32 ÷ 4 =
12 ÷ 4 =	36 ÷ 4 =
44 ÷ 4 =	56 ÷ 4 =
28 ÷ 4 =	20 ÷ 4 =
60 ÷ 4 =	100 ÷ 4 =
16 ÷ 4 =	64 ÷ 4 =
52 ÷ 4 =	88 ÷ 4 =

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DIVIDE BY 5

Practice your division skills by writing the correct answer in the box provided.

50 ÷ 5 =	10 ÷ 5 =
100 ÷ 5 =	25 ÷ 5 =
15 ÷ 5 =	35 ÷ 5 =
75 ÷ 5 =	55 ÷ 5 =
20 ÷ 5 =	40 ÷ 5 =
55 ÷ 5 =	80 ÷ 5 =
60 ÷ 5 =	5 ÷ 5 =
150 ÷ 5 =	45 ÷ 5 =

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Name:

Date:

Sweet Division

Dividing by 2, 3, 4 and 5

14 ÷ 2 =	
20 ÷ 2 =	
16 ÷ 4 =	
12 ÷ 3 =	
18 ÷ 3 =	
20 ÷ 4 =	
30 ÷ 5 =	
60 ÷ 5 =	
28 ÷ 4 =	
32 ÷ 4 =	

12 ÷ 4 =	
90 ÷ 3 =	
36 ÷ 4 =	
27 ÷ 3 =	
60 ÷ 3 =	
21 ÷ 3 =	
64 ÷ 4 =	
24 ÷ 3 =	
100 ÷ 5 =	
30 ÷ 3 =	

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DIVIDE BY 6

Practice your division skills by writing the correct answer in the box provided.

60 ÷ 6 =	12 ÷ 6 =
18 ÷ 6 =	96 ÷ 6 =
144 ÷ 6 =	66 ÷ 6 =
42 ÷ 6 =	24 ÷ 6 =
78 ÷ 6 =	120 ÷ 6 =
54 ÷ 6 =	72 ÷ 6 =
84 ÷ 6 =	6 ÷ 6 =
180 ÷ 6 =	48 ÷ 6 =

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DIVIDE BY 7

Practice your division skills by writing the correct answer in the box provided.

70 ÷ 7 =	28 ÷ 7 =
14 ÷ 7 =	42 ÷ 7 =
84 ÷ 7 =	35 ÷ 7 =
7 ÷ 7 =	63 ÷ 7 =
78 ÷ 7 =	98 ÷ 7 =
21 ÷ 7 =	49 ÷ 7 =
56 ÷ 7 =	700 ÷ 7 =
91 ÷ 7 =	140 ÷ 7 =

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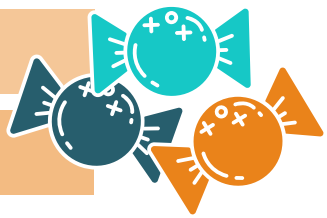
Name:

Date:



Sweet Division

Dividing by 2, 3, 4, 5, 6 and 7

22 ÷ 2 =	
150 ÷ 3 =	
36 ÷ 4 =	
60 ÷ 5 =	
54 ÷ 6 =	
42 ÷ 7 =	
50 ÷ 2 =	
27 ÷ 3 =	
52 ÷ 4 =	
35 ÷ 5 =	

180 ÷ 6 =	
420 ÷ 7 =	
48 ÷ 2 =	
99 ÷ 3 =	
84 ÷ 4 =	
80 ÷ 5 =	
96 ÷ 6 =	
56 ÷ 7 =	
120 ÷ 6 =	
63 ÷ 7 =	

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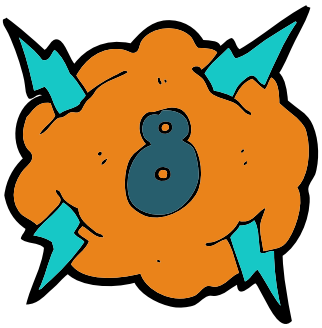
DIVIDE BY 8



Practice your division skills by writing the correct answer in the box provided.

96 ÷ 8 =	8 ÷ 8 =
48 ÷ 8 =	64 ÷ 8 =
128 ÷ 8 =	24 ÷ 8 =
80 ÷ 8 =	88 ÷ 8 =
32 ÷ 8 =	40 ÷ 8 =
16 ÷ 8 =	56 ÷ 8 =
104 ÷ 8 =	120 ÷ 8 =
240 ÷ 8 =	160 ÷ 8 =

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DIVIDE BY 9

Practice your division skills by writing the correct answer in the box provided.

81 ÷ 9 =	72 ÷ 9 =
54 ÷ 9 =	27 ÷ 9 =
108 ÷ 9 =	90 ÷ 9 =
45 ÷ 9 =	88 ÷ 9 =
32 ÷ 9 =	63 ÷ 9 =
99 ÷ 9 =	36 ÷ 9 =
18 ÷ 9 =	180 ÷ 9 =
270 ÷ 9 =	9 ÷ 9 =

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Name:

Date:

Sweet Division

Dividing by 2, 3, 4, 5, 6, 7, 8 and 9

28 ÷ 7 =	
49 ÷ 7 =	
56 ÷ 8 =	
45 ÷ 5 =	
54 ÷ 6 =	
68 ÷ 2 =	
120 ÷ 8 =	
27 ÷ 9 =	
54 ÷ 6 =	
90 ÷ 5 =	

81 ÷ 9 =	
42 ÷ 6 =	
48 ÷ 4 =	
96 ÷ 6 =	
36 ÷ 4 =	
40 ÷ 5 =	
39 ÷ 3 =	
63 ÷ 7 =	
120 ÷ 2 =	
63 ÷ 9 =	

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DIVIDE BY 10

Practice your division skills by writing the correct answer in the box provided.

100 ÷ 10 =	10 ÷ 10 =
40 ÷ 10 =	90 ÷ 10 =
120 ÷ 10 =	50 ÷ 10 =
80 ÷ 10 =	70 ÷ 10 =
400 ÷ 10 =	40 ÷ 10 =
160 ÷ 10 =	350 ÷ 10 =
130 ÷ 10 =	840 ÷ 10 =
240 ÷ 10 =	1000 ÷ 10 =

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Name

DIVIDE BY 11

Practice your division skills by writing the correct answer in the box provided.

110 ÷ 11 =	132 ÷ 11 =
88 ÷ 11 =	22 ÷ 11 =
220 ÷ 11 =	50 ÷ 11 =
77 ÷ 11 =	121 ÷ 11 =
154 ÷ 11 =	11 ÷ 11 =
33 ÷ 11 =	330 ÷ 11 =
99 ÷ 11 =	44 ÷ 11 =
880 ÷ 11 =	1100 ÷ 11 =

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Name

DIVIDE BY 12

Practice your division skills by writing the correct answer in the box provided.

12 ÷ 12 =	132 ÷ 12 =
36 ÷ 12 =	96 ÷ 12 =
120 ÷ 12 =	60 ÷ 12 =
72 ÷ 12 =	192 ÷ 12 =
48 ÷ 12 =	24 ÷ 12 =
360 ÷ 12 =	84 ÷ 12 =
180 ÷ 12 =	144 ÷ 12 =
240 ÷ 12 =	156 ÷ 12 =

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DIVISION DRILL NINJA

How many equations can you finish in 3 minutes?

Date: _____

Do in sets of 15 over three separate days to solidify your skills.

1) 48 ÷ 8 =

2) 20 ÷ 5 =

3) 27 ÷ 9 =

4) 35 ÷ 7 =

5) 21 ÷3 =

6) 28 ÷ 7 =

7) 40 ÷ 5 =

8) 6 ÷ 2 =

9) 10 ÷ 5 =

10) 63 ÷ 9 =

11) 20 ÷ 2 =

12) 35 ÷ 5 =

13) 8 ÷ 2 =

14) 72 ÷ 8 =

15) 30 ÷ 3 =

16) 90 ÷ 9 =

17) 72 ÷ 9 =

18) 50 ÷ 5 =

19) 24 ÷ 6 =

20) 18 ÷ 9 =

21) 12 ÷ 2 =

22) 48 ÷ 6 =

23) 24 ÷ 3 =

24) 12 ÷ 3 =

25) 18 ÷ 3 =

26) 21 ÷ 7 =

27) 34 ÷ 4 =

28) 36 ÷ 4 =

29) 30 ÷ 10 =

30) 70 ÷ 10 =

31) 81 ÷ 9 =

32) 24 ÷ 8 =

33) 45 ÷ 9 =

34) 9 ÷ 3 =

35) 12 ÷ 4 =

36) 60 ÷ 6 =

37) 4 ÷ 2 =

38) 60 ÷ 10 =

39) 14 ÷ 7 =

40) 10 ÷ 2 =

41) 15 ÷ 5 =

42) 49 ÷ 7 =

43) 8 ÷ 4 =

44) 24 ÷ 4 =

45) 63 ÷ 7 =

/45

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PLACE VALUE MULTIPLICATION

Use place value to solve multiplication problems

38 x 40 = 30 x 40 + 8 x 40 = 1,200 + 320 = 1,520	45 x 60 = = =
75 x 50 = = =	42 x 80 = = =
82 x 70 = = =	65 x 60 = = =
98 x 70 = = =	57 x 30 = = =
62 x 80 = = =	29 x 50 = = =
44 x 60 = = =	53 x 40 = = =

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Name: Date: Score:

MULTIPLICATION

Solve the equations.

285 X 164	797 X 435	52 X 28
2,345 X 523	6,388 X 249	80 X 19

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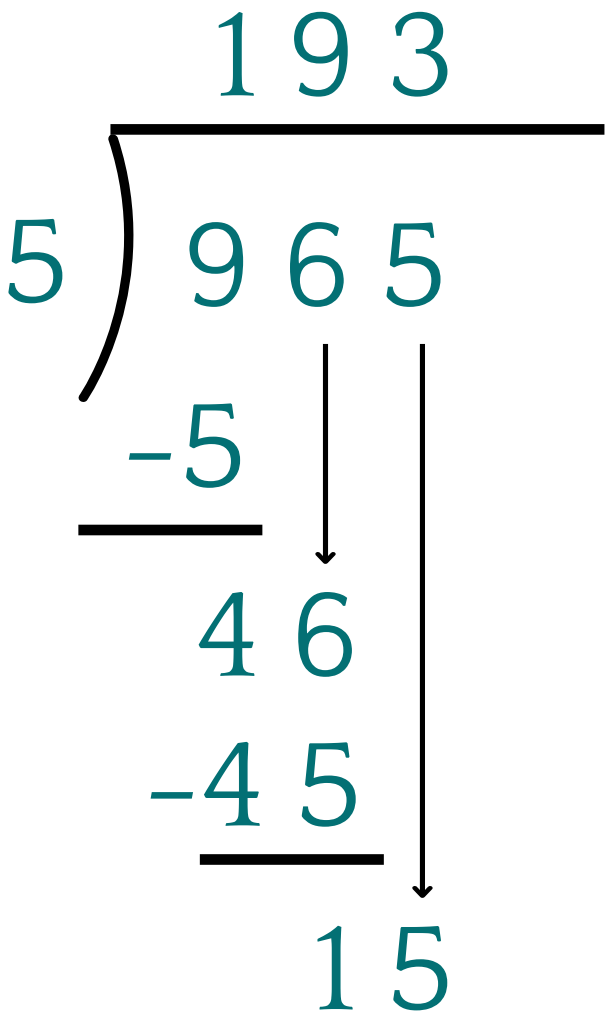
LONG DIVISION

DIVIDE - SUBTRACT BRING DOWN



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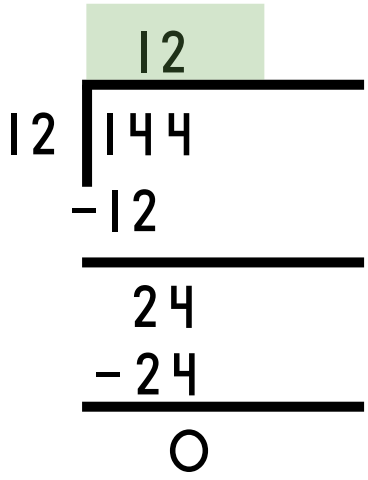
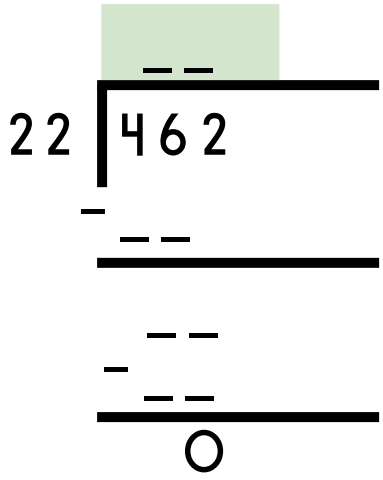
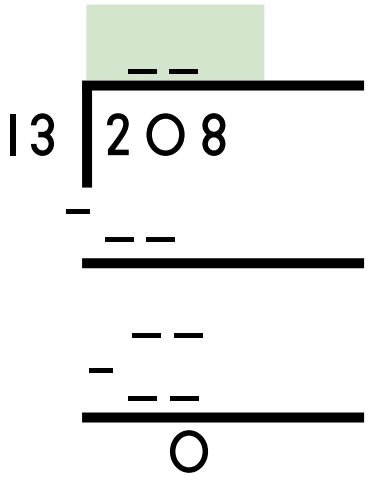
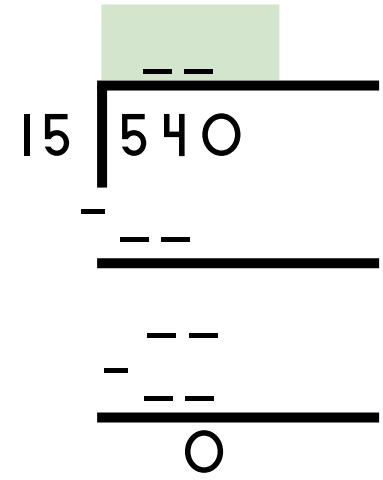
SIMPLE DIVISION

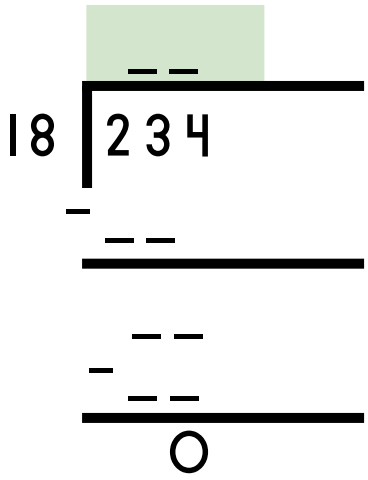
Using the first one as your example, complete the following simple division problems.

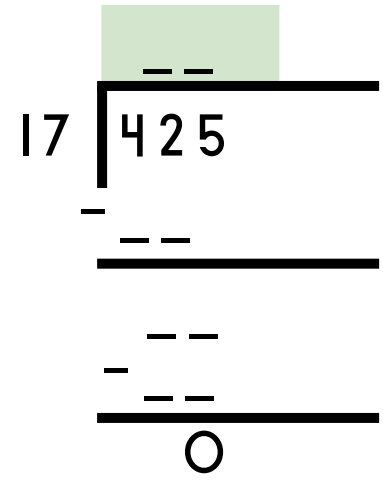












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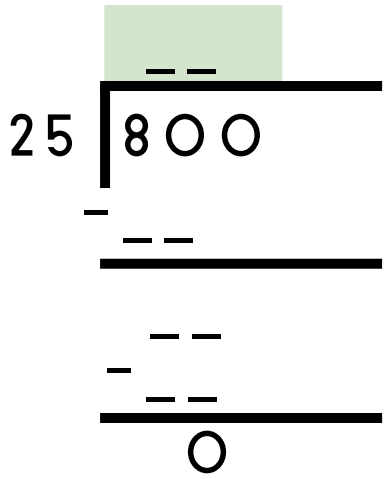

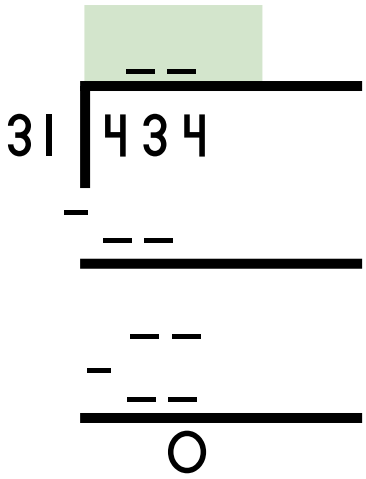

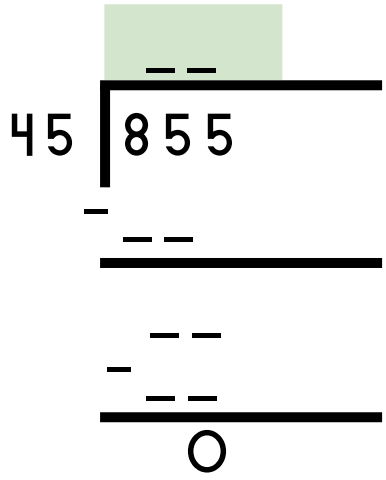

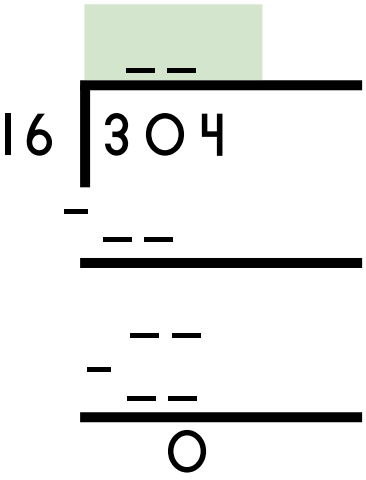

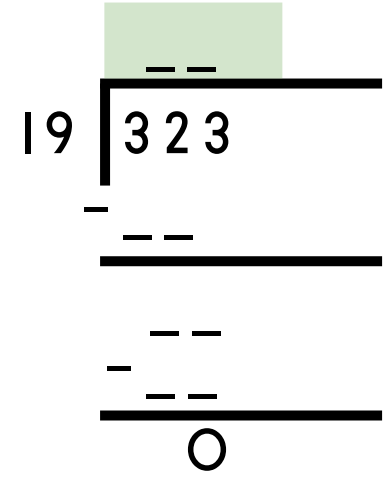

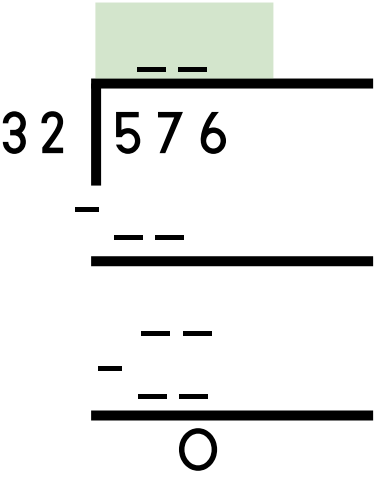

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Long Division

Check your answers when you're done.

$4\overline{)236}$	$5\overline{)165}$	$7\overline{)518}$	$6\overline{)516}$	$8\overline{)448}$
$8\overline{)720}$	$8\overline{)304}$	$9\overline{)774}$	$3\overline{)162}$	$5\overline{)285}$
$4\overline{)244}$	$9\overline{)765}$	$8\overline{)480}$	$8\overline{)192}$	$2\overline{)76}$
$6\overline{)312}$	$8\overline{)544}$	$5\overline{)50}$	$7\overline{)427}$	$4\overline{)108}$

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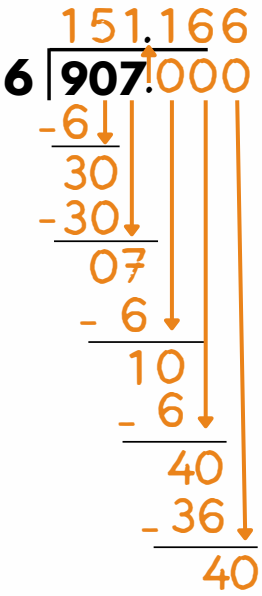
Long Division: Creating Decimals

Check your answers when you're done.

907 ÷ 6



What should I know?

What you are dividing by goes on the **OUTSIDE**

When you reach the end of the given number, but still have remainders, ADD A DECIMAL and bring down the zeros.

Continue adding zeros until you reach a point with no remainders or the same repeating decimal.

Your Turn:

40 ÷ 7

118 ÷ 4

19 ÷ 5

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Long Division: Creating Decimals

Check your answers when you're done.

$31 \div 6$

$400 \div 9$

$99 \div 2$

$1290 \div 4$

$58 \div 3$

$762 \div 5$

$13 \div 4$

$100 \div 16$

$299 \div 6$

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Long Division: Creating Decimals

Check your answers when you're done.

$49 \div 8$

$1440 \div 130$

$12 \div 20$

$20 \div 12$

$1556 \div 3$

$6 \div 14$

$9 \div 46$

$10 \div 32$

$32 \div 3$

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My name:

Date:

SUDOKU

A Game for Mathematicians

FIll out the blocks so that the numbers one to nine will only appear once in each row, colum and 3x3 grid.

		9	7	3		5	2	6
		5		2		8		
6		8					4	7
					9		6	2
	4		6		3		8	
8	9		5					
2	6					1		8
		7		1		6		
9	5	1		6	4	2		

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MATH

IS EVERYWHERE

BRAIN TEASER

How many squares can you see?

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