

Predict a Total

A student is given a table
and they select any number
and circle that number

13	16	17	18
7	10	11	12
10	13	14	15
16	19	20	21

they cross out the rest
of the numbers in the
that row and column

13	16	17	18
7	10	11	12
10	13	14	15
16	19	20	21

they select another number,
circle that number and cross
out the rest of the row and column

13	16	17	18
7	10	11	12
10	13	14	15
16	19	20	21

and they continue until
all the numbers have been
circled or crossed out

13	16	17	18
7	10	11	12
10	13	14	15
16	19	20	21

you can predict the total before they start

I wonder how it works.



A Magic Classroom

Help Create a World of Wonder

Predict The Total

Contents:

1. Predict the total parts 1 , 2 3, 4 and 5

Instructions and examples to get started.

Classroom activity pages with 4 and 5 row tables containing whole numbers.

2. Predict The Total Super Mega Challenge

Classroom activity pages with 6 row tables for the really ambitious.

3. Predict the Total for Integers parts 1 , 2 and 3

Classroom activity pages with 4 row tables containing integer values

4. Predict the Total for polynomial expressions parts 1 , 2 and 3

Classroom activity pages with 4 row tables containing polynomial expressions

5. How to make you own cards

An explanation of how to make the tables.

A worksheet for the student to use to make their own 4 by 4 and 5 by 5 tables.

6. Solutions to all activities.

Thank you for selecting this material. I hope it serves you and your students well. I am always editing and adding to my activities so I would love to get feedback from you. Contact me at the e-mail below.

Joseph Eitel
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I have other materials that are free at my web site amagicclassroom.com

Math Magic Puzzles Paper Folding Magic Effects

Please respect my hard work and effort and do not distribute this activity to others. I have set the price low enough that they can afford to purchase it for themselves.

Have a wonderful day in your classroom.

Joseph Eitel

Predict The Total

1. Select any number in any square and circle it. Cross out all the other numbers in the SAME ROW and all the other numbers in the SAME COLUMN as the number that you just circled.

13	16	17	18
7	10	11	12
13	16	(14)	15
16	19	20	21

For example, lets say you pick 14.

Circle 14.

Now cross out all the other numbers in the same ROW that 14 is in.

Now cross out all the other numbers in the same COLUMN that 14 is in.

2. Select a number from the remaining ones and circle it. Cross out all the other numbers in the SAME ROW and all the other numbers in the SAME COLUMN as the number that you just circled.

13	16	17	(18)
7	10	11	12
13	16	(14)	15
16	19	20	21

For example, lets say you pick 18.

Circle 18.

Now cross out all the other numbers in the same ROW that 18 is in.

Now cross out all the other numbers in the same COLUMN that 18 is in.

3. Select a number from the remaining ones and circle it. Cross out all the other numbers in the SAME ROW and all the other numbers in the SAME COLUMN as the number that you just circled.

13	16	17	(18)
(7)	10	11	12
13	16	(14)	15
16	19	20	21

For example, lets say you pick 7.

Circle 7.

Now cross out all the other numbers in the same ROW that 7 is in.

Now cross out all the other numbers in the same COLUMN that 7 is in.

4. There is only one number remaining that has not been crossed out or circled. It is 19. Circle that number.

13	16	17	(18)
(7)	10	11	12
13	16	(14)	15
16	(19)	20	21

Find the SUM of the 4 numbers you circled.

Is the sum of the 4 circled numbers 58?

Well of course it is. You picked the numbers, not me.

Would it still work if I could pick the numbers using the directions above?

WHY NOT TRY IT ON THE GRIDS ON THE NEXT PAGE.

Predict The Total Part 1

Directions:

1. Select any number in any square and circle it. Cross out all the other numbers in the SAME ROW and all the other numbers in the SAME COLUMN as the number that you just circled.
2. Pick one of the remaining numbers and circle it. Cross out all the other numbers in the SAME ROW and all the other numbers in the SAME COLUMN as the number that you just circled.
3. Pick one of the remaining numbers and circle it. Cross out all the other numbers in the SAME ROW and all the other numbers in the SAME COLUMN as the number that you just circled.
4. There is only one number remaining that has not been crossed out or circled. Circle that number.

Find the sum of the 4 circled numbers.

Try this with the number square below.

13	16	17	18
7	10	11	12
10	13	14	15
16	19	20	21

_____ **first number**

_____ **second number**

_____ **third number**

_____ **fourth number**

Total

Try it again, but start with a different first number this time.

13	16	17	18
7	10	11	12
10	13	14	15
16	19	20	21

_____ **first number**

_____ **second number**

_____ **third number**

_____ **fourth number**

Total

Was the total 58 both times?

Predict the Total Part 2

Directions:

1. Select any number in any square and circle it. Cross out all the other numbers in the SAME ROW and all the other numbers in the THE SAME COLUMN as the number you circled.
2. Pick one of the remaining numbers and circle it. Cross out all the other numbers in the SAME ROW and all the other numbers in the THE SAME COLUMN as the number you just circled.
3. Pick one of the remaining numbers and circle it. Cross out all the other numbers in the SAME ROW and all the other numbers in the THE SAME COLUMN as the number you just circled.
4. There is only one number remaining that has not been crossed out or circled. Circle that number.

Find the sum of the 4 circled numbers.

Try this with the number square below.

9	6	11	7
14	11	16	12
18	15	20	16
22	15	24	20

_____ **first number**

_____ **second number**

_____ **third number**

_____ **fourth number**

_____ **Total**

Try it again, but start with a different first number this time.

9	6	11	7
14	11	16	12
18	15	20	16
22	15	24	20

_____ **first number**

_____ **second number**

_____ **third number**

_____ **fourth number**

_____ **Total**

Was the total 60 both times??

Predict the Total Part 3

Directions:

1. Select any number in any square and circle it. Cross out all the other numbers in the SAME ROW and all the other numbers in the THE SAME COLUMN as the number you circled.
2. Pick one of the remaining numbers and circle it. Cross out all the other numbers in the SAME ROW and all the other numbers in the THE SAME COLUMN as the number you just circled.
3. Pick one of the remaining numbers and circle it. Cross out all the other numbers in the SAME ROW and all the other numbers in the THE SAME COLUMN as the number you just circled.
4. There is only one number remaining that has not been crossed out or circled. Circle that number.

Find the sum of the 4 circled numbers

Try this with each table below but start with a different number each time.

27	20	16	30	_____
32	25	21	35	_____
25	18	14	28	_____
24	17	13	27	_____

				Total

27	20	16	30	_____
32	25	21	35	_____
25	18	14	28	_____
24	17	13	27	_____

				Total

27	20	16	30	_____
32	25	21	35	_____
25	18	14	28	_____
24	17	13	27	_____

				Total

27	20	16	30	_____
32	25	21	35	_____
25	18	14	28	_____
24	17	13	27	_____

				Total

Was the total 93 each time?

Predict the Total Part 4

Directions:

1. Pick any number and circle it. Cross out the remaining numbers in the row and column of that number.
2. Pick one of the remaining numbers and circle it. Cross out the remaining numbers in that row and column.
3. Pick one of the remaining numbers and circle it. Cross out the remaining numbers in that row and column.
4. Pick one of the remaining numbers and circle it. Cross out the remaining numbers in that row and column.
5. Circle the last remaining number.

Find the sum of the 5 circled numbers.

Try this with the numbers below

29	25	30	38	24
27	23	28	36	22
14	10	15	23	9
22	18	23	31	17
26	22	27	35	21

_____ **first number**

_____ **second number**

_____ **third number**

_____ **fourth number**

_____ **fifth number**

Total

Try it again but start with a different first number

29	25	30	38	24
27	23	28	36	22
14	10	15	23	9
22	18	23	31	17
26	22	27	35	21

_____ **first number**

_____ **second number**

_____ **third number**

_____ **fourth number**

_____ **fifth number**

Total

Was the total 119 each time?

Predict the Total Part 5

Directions:

1. Pick any number and circle it. Cross out the remaining numbers in the row and column of that number.
2. Pick one of the remaining numbers and circle it. Cross out the remaining numbers in that row and column.
3. Pick one of the remaining numbers and circle it. Cross out the remaining numbers in that row and column.
4. Pick one of the remaining numbers and circle it. Cross out the remaining numbers in that row and column.
5. Pick one of the remaining numbers and circle it. Cross out the remaining numbers in that row and column.
6. Circle the last remaining number.

Find the sum of the 5 circled numbers

Try this with the numbers below

27	43	17	36	28
32	48	23	41	33
28	44	19	37	29
36	52	27	45	37
24	40	15	33	25

_____ **first number**

_____ **second number**

_____ **third number**

_____ **fourth number**

_____ **fifth number**

Total

Try it again but start with a different first number.

27	43	17	36	28
32	48	23	41	33
28	44	19	37	29
36	52	27	45	37
24	40	15	33	25

_____ **first number**

_____ **second number**

_____ **third number**

_____ **fourth number**

_____ **fifth number**

Total

Was the total 164 each time?

Predict The Total Mega Challenge

12	17	16	14	20	11	22
5	10	9	7	13	4	15
7	12	11	9	15	6	17
4	9	8	6	12	3	14
6	11	10	8	14	5	16
9	14	13	11	17	8	19
13	18	17	15	21	12	23

_____ first number

_____ second number

_____ third number

_____ fourth number

_____ fifth number

_____ sixth number

_____ seventh number

Total

Try it again but start with a different first number

12	17	16	14	20	11	22
5	10	9	7	13	4	15
7	12	11	9	15	6	17
4	9	8	6	12	3	14
6	11	10	8	14	5	16
9	14	13	11	17	8	19
13	18	17	15	21	12	23

_____ first number

_____ second number

_____ third number

_____ fourth number

_____ fifth number

_____ sixth number

_____ seventh number

Total

Was the total 84 each time?

Predict The Total Super Mega Challenge

32	37	26	34	31	40	28
19	24	13	21	18	27	15
33	38	27	35	32	41	29
25	30	19	27	24	33	21
29	34	23	31	28	37	25
27	32	21	25	26	35	23
37	32	31	39	36	45	33

_____ first number

_____ second number

_____ third number

_____ fourth number

_____ fifth number

_____ sixth number

_____ seventh number

Total

Try it again but start with a different first number

32	37	26	34	31	40	28
19	24	13	21	18	27	15
33	38	27	35	32	41	29
25	30	19	27	24	33	21
29	34	23	31	28	37	25
27	32	21	25	26	35	23
37	32	31	39	36	45	33

_____ first number

_____ second number

_____ third number

_____ fourth number

_____ fifth number

_____ sixth number

_____ seventh number

Total

Was the total 206 each time?

Predict the Total for Integers Part 1

Directions:

1. Select any integer and circle it. Cross out all the other integers in the SAME ROW and all the other integers in the THE SAME COLUMN as the integer you circled.
2. Pick one of the remaining integers and circle it. Cross out all the other integers in the SAME ROW and all the other integers in the THE SAME COLUMN as the integer you just circled.
3. Pick one of the remaining integers and circle it. Cross out all the other integers in the SAME ROW and all the other expressions in the THE SAME COLUMN as the integer you just circled.
4. There is only one integer remaining that has not been crossed out or circled. Circle that integer.
5. List the 4 integers you circled WITH THEIR SIGNS on the line to the right of the grid.

Find the total of the 4 integers.

Try this with the integers below

-1	7	9	-2
-9	-1	1	-10
3	11	13	2
-4	4	6	-5

write the 4 integers with their signs in the
order you selected them on this line
and then combine the integers

total

Try it again but start with a different first integer.

-1	7	9	-2
-9	-1	1	-10
3	11	13	2
-4	4	6	-5

write the 4 integers with their signs in the
order you selected them on this line
and then combine the integers

total

Was your total 6?

Predict the Total for Integers Part 2

Directions:

1. Select any integer and circle it. Cross out all the other integers in the SAME ROW and all the other integers in the THE SAME COLUMN as the integer you circled.
2. Pick one of the remaining integers and circle it. Cross out all the other integers in the SAME ROW and all the other integers in the THE SAME COLUMN as the integer you just circled.
3. Pick one of the remaining integers and circle it. Cross out all the other integers in the SAME ROW and all the other integers in the THE SAME COLUMN as the integer you just circled.
4. There is only one integer remaining that has not been crossed out or circled. Circle that integer.
5. List the 4 integers you circled WITH THEIR SIGNS on the line to the right of the grid.

Find the total of the 4 integers.

Try this with the integers below

-15	- 6	-11	- 4
2	11	6	13
-12	- 3	- 8	-1
- 6	3	- 2	5

write the 4 integers with their signs in the
order you selected them on this line
and then combine the integers

total

Try it again but start with a different first integer.

-15	- 6	-11	- 4
2	11	6	13
-12	- 3	- 8	-1
- 6	3	- 2	5

write the 4 integers with their signs in the
order you selected them on this line
and then combine the integers

total

Was your total -7 ?

Predict the Total for Integers Part 3

Directions:

1. Select any integer and circle it. **Cross out** all the other integers in the SAME ROW and COLUMN as the integer you circled.
2. Continue this process until you have 4 integers circled.
3. List the 4 circled integers WITH THEIR SIGNS on the line below the grid.

Find the total of the 4 integers.

Table 1

- 6	- 5	5	- 7
- 9	- 8	2	-10
2	3	13	1
- 4	- 3	7	- 5

_____ = _____
Total

Table 2

6	7	- 6	8
15	2	3	17
2	-11	-10	4
7	- 6	- 5	9

_____ = _____
Total

Table 3

- 8	1	- 6	2
- 3	5	- 1	7
-11	- 2	- 9	- 1
-13	- 4	- 11	- 3

_____ = _____
Total

Table 4

-13	6	-14	- 2
- 2	17	- 3	9
-17	2	- 18	-6
-16	3	17	- 5

_____ = _____
Total

Predict a Polynomial Expression Part 1

Directions:

1. Select any expression and circle it. Cross out all the other expression in the SAME ROW and all the other expressions in the THE SAME COLUMN as the expression you circled.
2. Pick one of the remaining expressions and circle it. Cross out all the other expressions in the SAME ROW and all the other expressions in the THE SAME COLUMN as the expression you just circled.
3. Pick one of the remaining expressions and circle it. Cross out all the other expressions in the SAME ROW and all the other expressions in the THE SAME COLUMN as the expression you just circled.
4. There is only one expressions remaining that has not been crossed out or circled. Circle that expression.
5. List the 4 expressions you circled WITH THEIR SIGNS on the line to the right of the grid.

Simplify the expression by combining like terms.

Try this with the expressions below.

$+2x + 3$	$+9$	$+x + 7$	$+5x + 5$
$+3x + 1$	$+x + 7$	$+2x + 5$	$+6x + 3$
$+4x + 1$	$+2x + 7$	$+3x + 5$	$+7x + 3$
$+3x$	$+x + 6$	$+2x + 4$	$+6x + 2$

write the 4 expressions with their signs on this line
and then combine the like terms to simplify the expression

simplified expression

Try it again but start with a different first expression.

$+2x + 3$	$+9$	$+x + 7$	$+5x + 5$
$+3x + 1$	$+x + 7$	$+2x + 5$	$+6x + 3$
$+4x + 1$	$+2x + 7$	$+3x + 5$	$+7x + 3$
$+3x$	$+x + 6$	$+2x + 4$	$+6x + 2$

write the 4 expressions with their signs on this line
and then combine the like terms to simplify the expression

simplified expression

Was your simplified polynomial $12x + 17$?

Predict a Polynomial Expression Part 2

Directions:

1. Select any expression and circle it. Cross out all the other expression in the SAME ROW and all the other expressions in the THE SAME COLUMN as the expression you circled.
2. Pick one of the remaining expressions and circle it. Cross out all the other expressions in the SAME ROW and all the other expressions in the THE SAME COLUMN as the expression you just circled.
3. Pick one of the remaining expressions and circle it. Cross out all the other expressions in the SAME ROW and all the other expressions in the THE SAME COLUMN as the expression you just circled.
4. There is only one expressions remaining that has not been crossed out or circled. Circle that expression.
5. List the 4 expressions you circled WITH THEIR SIGNS the line to the right of the grid.

Simplify the expression by combining like terms.

Try this with the expressions below

$+4x - 2$	$-x$	$+2$	$+x - 3$
$+6x + 1$	$+x + 3$	$+2x + 5$	$+3x$
$+5x - 3$	-1	$+x + 1$	$+2x - 4$
$-x + 2$	$-6x + 4$	$-5x + 6$	$-4x + 1$

write the 4 expressions with their signs on this line
and then combine the like terms to simplify the expression

simplified expression

Try it again but start with a different first expression.

$+4x - 2$	$-x$	$+2$	$+x - 3$
$+6x + 1$	$+x + 3$	$+2x + 5$	$+3x$
$+5x - 3$	-1	$+x + 1$	$+2x - 4$
$-x + 2$	$-6x + 4$	$-5x + 6$	$-4x + 1$

write the 4 expressions with their signs on this line
and then combine the like terms to simplify the expression

simplified expression

Was your simplified polynomial $2x + 3$?

Predict a Polynomial Expression Part 3

Directions:

1. Select any expression and circle it. **Cross out** all the other expressions in the SAME ROW and COLUMN as the expression you circled. Continue this process until you have 4 expressions circled.
3. List the 4 circled expressions WITH THEIR SIGNS on the line beside the grid.

Find the total of the 4 expressions.

Try this for each of the 3 tables below.

Table 1

$+2x - 3$	$+6x - 4$	$+5x - 2$	$+4x - 7$
$+ 3$	$+4x + 2$	$+3x + 4$	$2x - 1$
$+x - 1$	$5x - 2$	$+4x$	$+3x - 5$
$- 2$	$4x - 3$	$3x - 1$	$+2x - 6$

write the 4 expressions with their signs on this line
and then combine the like terms to simplify the expression

simplified expression

Table 2

$-2x - 3$	$+2x - 1$	$+x + 4$	$- 4$
$-6x - 2$	$- 2x$	$-3x + 5$	$-4x - 3$
$-3x - 1$	$+x + 1$	$+ 6$	$-x - 2$
$- 7$	$+4x - 5$	$+3x$	$+2x - 8$

write the 4 expressions with their signs on this line
and then combine the like terms to simplify the expression

simplified expression

Table 3

$+ 14$	$+2x + 3$	$-3x + 7$	$-5x + 4$
$-4x + 8$	$- 2x - 3$	$-7x + 1$	$-9x - 2$
$-x + 9$	$+x - 2$	$-4x + 2$	$-6x - 1$
$2x + 3$	$+4x - 8$	$-x - 4$	$-3x - 7$

write the 4 expressions with their signs on this line
and then combine the like terms to simplify the expression

simplified expression

How to make your own cards

These cards are disguised addition tables that students are already familiar with.

Step 1:

Pick 4 numbers to put in the 4 vertical boxes on the left.

3				
1				
4				
2				

Step 2:

Pick 4 numbers to put in the 4 horizontal boxes on the top.

	7	5	8	6
1				
2				
3				
4				

Step 3 :

Add the numbers that are in the row and column of each box in the table

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

Step 4:

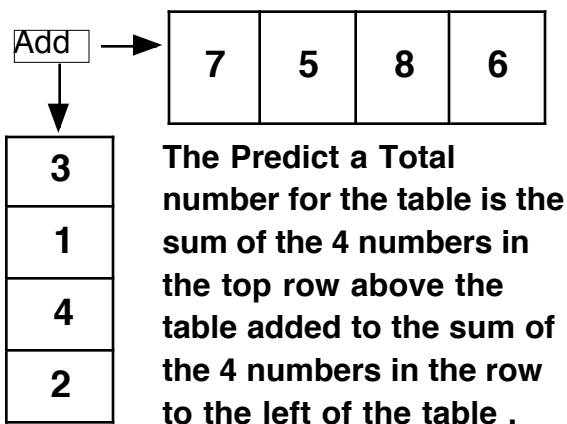
Take away the top and side columns and you puzzle is ready to use

10	8	11	9
8	6	9	7
11	9	12	10
9	7	10	8

The Predict a Total number is 36

The Predict a Total number for the table above is

$$3 + 1 + 4 + 2 + 7 + 5 + 8 + 6 = 36$$



Make your own 4 by 4 table

1. Select 4 numbers to put in each box in the top row above the table and 4 numbers to put in each box in the column to the left of the table. Complete the addition table to find the numbers for each box in the table. Add the numbers in the extra row above the table and the extra column to the left to find the Predict a Number total for the table. When the table is complete, cut out the main table and the puzzle is ready to use. Try it out on your parents or fellow students who have not seen the puzzle.

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Add

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The Predict a Total number for the table is the sum of the 4 numbers in the top row above the table added to the sum of the 4 numbers in the row to the left of the table .

Make your own 5 by 5 table

- Select 5 numbers to put in each box in the top row above the table and 5 numbers to put in each box in the column to the left of the table. Complete the addition table to find the numbers for each box in the table. Add the numbers in the extra row above the table and the extra column to the left to find the Predict a Number total for the table. When the table is complete, cut out the main table and the puzzle is ready to use. Try it out on your parents or fellow students who have not seen the puzzle.

Add

→

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↓

The Predict a Total number for the table is the sum of the 5 numbers in the top row above the table added to the sum of the 5 numbers in the row to the left of the table .

Predict An Number Solutions

Part 1

	4	7	8	9
9	13	16	17	18
3	7	10	11	12
6	10	13	14	15
12	16	19	20	21

Total is 58

Part 2

	7	4	9	5
2	9	6	11	7
7	14	11	16	12
14	18	15	20	16
15	22	19	24	20

Total is 60

Part 3

	15	8	4	18
12	27	20	16	30
17	32	25	21	35
10	25	18	14	28
9	24	17	13	27

Total is 93

Part 4

	12	8	13	21	7
17	29	25	30	38	24
15	27	23	28	36	22
2	14	10	15	23	9
10	22	18	23	31	17
14	26	22	27	35	21

Total is 119

Part 5

	12	28	3	21	13
15	27	43	17	36	28
20	32	48	23	41	33
16	28	44	19	37	29
24	36	52	27	45	37
12	24	40	15	33	25

Total is 164

Mega challenge

ADD	3	8	7	5	11	2	13
9	12	17	16	14	20	11	22
2	5	10	9	7	13	4	15
4	7	12	11	9	15	6	17
1	4	9	8	6	12	3	14
3	6	11	10	8	14	5	16
6	9	14	13	11	17	8	19
10	13	18	17	15	21	12	23

Total is 84

Super Mega Challenge

ADD	13	18	7	15	12	21	9
19	32	37	26	34	31	40	28
6	19	24	13	21	18	27	15
20	33	38	27	35	32	41	29
12	25	30	19	27	24	33	21
16	29	34	23	31	28	37	25
14	27	32	21	25	26	35	23
24	37	32	31	39	36	45	33

Total is 206

Integers part 1

	-3	5	7	-4
2	-1	7	9	-2
-6	-9	-1	1	-10
6	3	11	13	2
-1	-4	4	6	-5

Total 6

Integers part 2

	-7	2	-3	4
-8	-15	-6	-11	-4
9	2	11	6	13
-5	-12	-3	-8	-1
1	-6	3	-2	5

Total -7

Integers Part 3

Table 1

	-3	-2	8	-4
-3	-6	-5	5	-7
-6	-9	-8	2	-10
5	2	3	13	1
-1	-4	-3	7	-5

Total -6

Table 2

	8	-5	-4	10
-2	6	7	-6	8
7	15	2	3	17
-6	2	-11	-10	4
-1	7	-6	-5	9

Total 7

Table 3

	-7	2	-5	3
-1	-8	1	-6	2
4	-3	5	-1	7
-4	-11	-2	-9	-1
-6	-13	-4	-11	-3

Total -14

Table 4

	-7	12	-8	4
-6	-13	6	-14	-2
5	-2	17	-3	9
-10	-17	2	-18	-6
-9	-16	3	17	-5

Total -19

Polynomial Expressions Part 1

	$2x$	6	$x + 4$	$5x + 2$
3	$+2x + 3$	$+9$	$+x + 7$	$+5x + 5$
$x + 1$	$+3x + 1$	$+x + 7$	$+2x + 5$	$+6x + 3$
$2x + 1$	$+4x + 1$	$+2x + 7$	$+3x + 5$	$+7x + 3$
x	$+3x$	$+x + 6$	$+2x + 4$	$+6x + 2$

$$12x + 17$$

Polynomial Expressions Part 2

	$3x - 2$	$-2x$	$-x + 2$	-3
x	$+4x - 2$	$-x$	$+2$	$+x - 3$
$3x + 3$	$+6x + 1$	$+x + 3$	$+2x + 5$	$+3x$
$2x - 1$	$+5x - 3$	-1	$+x + 1$	$+2x - 4$
$-4x + 4$	$-x + 2$	$-6x + 4$	$-5x + 6$	$-4x + 1$

$$2x + 3$$

Predict a Polynomial Expression Part 3

Table 1

	$-x$	$3x - 1$	$2x + 1$	$x - 4$
$3x - 3$	$+2x - 3$	$+6x - 4$	$+5x - 2$	$+4x - 7$
$x + 3$	$+ 3$	$+4x + 2$	$+3x + 4$	$2x - 1$
$2x - 1$	$+x - 1$	$5x - 2$	$+4x$	$+3x - 5$
$x - 2$	$- 2$	$4x - 3$	$3x - 1$	$+2x - 6$

$$12x - 7$$

Table 2

	$-x - 4$	$3x - 2$	$2x + 3$	$x - 5$
$-x + 1$	$-2x - 3$	$+2x - 1$	$+x + 4$	$- 4$
$-5x + 2$	$-6x - 2$	$- 2x$	$-3x + 5$	$-4x - 3$
$-2x + 3$	$-3x - 1$	$+x + 1$	$+ 6$	$-x - 2$
$x - 3$	$- 7$	$+4x - 5$	$+3x$	$+2x - 8$

$$-2x - 5$$

Table 3

	$x + 6$	$3x - 5$	$-2x - 1$	$-4x - 4$
$-x + 8$	$+ 14$	$+2x + 3$	$-3x + 7$	$-5x + 4$
$-5x + 2$	$-4x + 8$	$- 2x - 3$	$-7x + 1$	$-9x - 2$
$-2x + 3$	$-x + 9$	$+x - 2$	$-4x + 2$	$-6x - 1$
$x - 3$	$2x + 3$	$+4x - 8$	$-x - 4$	$-3x - 7$

$$-9x + 6$$