Helping With Math
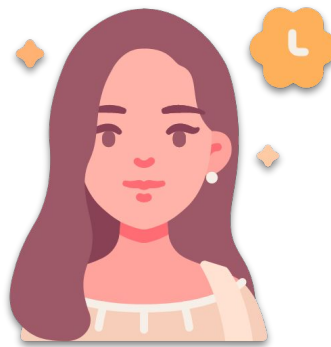
Hundreds Chart

Suitable for students **aged 5-7**

This pack is suitable for learners aged 5-7 years old or 1st and 2nd graders (USA). The content covers fact files and relevant basic and advanced activities involving Hundreds Chart.

Come and join me! Let's explore the hundreds chart today!

What are the hidden numbers?

|	2	3	4	5		7	8	9	10
11	12		14	15	16	17	18		20
21	22	23	24	25	26	27		29	30
	32	33	34		36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
	52	53		55	56	57	58	59	
61	62	63	64	65	66		68	69	70
71	72	73	74	75	76	77	78	79	80
81	82		84	85		87		89	90
91	92	93	94	95	96	97	98	99	

HUNDREDS CHART

Hundreds Chart
- It is used to determine the next number of the arithmetic sequence by referring to the chart horizontally, vertically and diagonally.
- It is a 10 by 10 grid with numbers from 1 to 100 written inside of each box of the chart as you can see in the figure below.
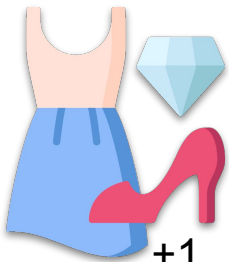
Observe the hundreds chart below and evaluate how the numbers were arranged.

		+1	+1	+1	+1	+1	+1	+1	+1	+1
+10	1	2	3	4	5	6	7	8	9	10
+10	11	12	13	14	15	16	17	18	19	20
+10	21	22	23	24	25	26	27	28	29	30
+10	31	32	33	34	35	36	37	38	39	40
+10	41	42	43	44	45	46	47	48	49	50
+10	51	52	53	54	55	56	57	58	59	60
+10	61	62	63	64	65	66	67	68	69	70
+10	71	72	73	74	75	76	77	78	79	80
+10	81	82	83	84	85	86	87	88	89	90
+10	91	92	93	94	95	96	97	98	99	100

As we can see on the chart, the numbers were arranged from smallest to greatest. We read the numbers from left to right starting with number 1 and ends with number 10 on the first row.
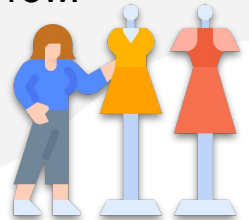
- Moreover, moving from left to right on the horizontal rows, the numbers increase by 1.
- Looking at the vertical rows, you can see that as you move one square downward, the numbers increase by 10.

NUMBER PATTERNS

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Hundreds Chart is also useful in learning skip counting. As you can see, the highlighted numbers are all even numbers. If you were told to count by 2's you just count from 2 to 100 following the highlighted numbers from least to greatest:
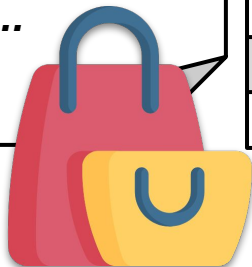
2, 4, 6, 8, 10...

Now, Let's try to count by 3's using the hundreds chart.

As you notice the highlighted numbers, it started from 3 and ends with 99. If you were told to count by 3's, just follow the highlighted numbers from least to greatest:
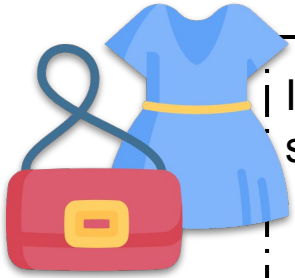
3, 6, 9, 12, 15 ...

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

ADDITION USING HUNDREDS CHART

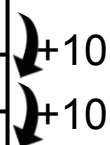In adding numbers using the hundreds chart, you should remember the following rules:

- Moving one square down is adding 10
- Moving one square to the right is adding 1

Example: 10 + 20 = ?

Find the number 10 in the chart.
We know that moving 1 square down means adding 10. So we need to move 2 squares downward from number 10.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

+10

+10

Therefore, using the hundreds chart, we determined that 30 is the sum of 10 and 20
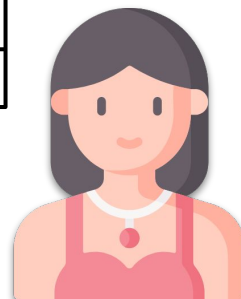
SUBTRACTION USING HUNDREDS CHART

In subtracting numbers using the hundreds chart, you should remember the following rules:

- Moving one square up is subtracting 10
- Moving one square to left is subtracting 1

Example: 70 - 30 = ?

Find the number 70 in the chart.
We know that moving 1 square up means subtracting 10. So we need to move 3 squares upward from number 70.

Therefore, subtracting 30 from 70 is equal to 40, as we can see on the hundreds chart.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	**40**
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	**70**
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

-10
-10
-10

LET'S PRACTICE!
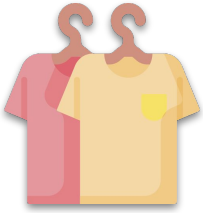
Fill in the hundreds chart with the missing numbers. Choose from the choices below .Cut and paste your answers inside the box

1	2		4		6	7	8	9	
11	12	13	14	15	16	17		19	20
	22	23	24		26	27	28	29	30
31	32		34	35		37	38		40
41	42	43	44		46	47	48	49	50
51		53	54	55	56	57	58	59	60
61	62		64		66		68	69	70
	72	73	74	75	76	77	78		80
81	82	83		85	86	87	88	89	90
	92	93	94	95	96		98	99	

5	39	21	36	33
63	52	84	79	10
25	71	3	91	100
18	97	67	65	45

TABLE OF ACTIVITIES

	Ages 5-6 (Basic)	1st Grade
1	Missing Accessories	
2	Cool Pair of Outfit	
3	Shoes Collection	
4	Try It On	
5	Wrist Watch	
	Ages 6-7 (Advanced)	2nd Grade
6	Closet Declutter	
7	Clothes Shopping	
8	Jackets For Sale	
9	Restyling Your Dress	
10	Fashion Show	

MISSING ACCESSORIES

I forgot to put my accessories in the storage I need to find them as soon as possible. Help me find them by filling in the missing numbers in the chart below. Use your knowledge in number pattern to answer.

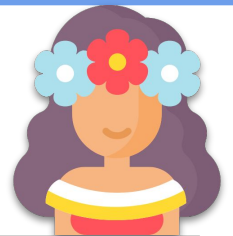| 1		3	4	5	6		8	9	10
11	12	13		15	16	17	18	19	20
21	22	23	24	25		27		29	30
31		33	34	35		37	38	39	
41	42	43		45	46	47		49	50
51		53	54	55		57	58	59	60
61	62	63	64		66		68	69	70
71		73	74		76	77	78	79	80
81	82	83	84	85	86	87	88		90
	92	93	94		96	97		99	100
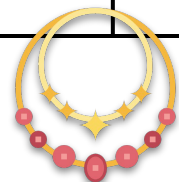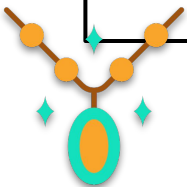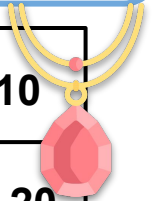
COOL PAIR OF OUTFIT

Can you help me find the pair of my outfit for the upcoming fashion show? Fill in the missing numbers that will help to find the perfect pair of my outfit.

1	a.) __	3	4	5	6	7	8	9	10
11	b.) __	c.) __	14	15	16	17	18	19	20
21	22	d.) __	24	25	26	27	28	29	30
31	32	e.) __	34	35	36	37	38	39	40
41	42	f.) __	g.) __	h.) __	46	47	48	49	50
51	52	53	54	i.) __	56	57	58	59	60
61	62	63	64	j.) __	k.) __	67	68	69	70
71	72	73	74	75	l.) __	77	78	79	80
81	82	83	84	n.) __	m.) __	87	88	89	90
91	92	93	94	o.) __	96	97	98	99	100

SHOES COLLECTION

Complete your shoes collection by following the instructions below. Determine the numbers that are being asked and color them accordingly.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

1.) Find the numbers that are smaller than 8. Color them blue.
2.) Find the numbers that are greater than 10 but smaller than 19. Color them red.
3.) Find the numbers that are greater than 50 but smaller than 62. Color them yellow.
4.) Find the number that are greater than 71 but smaller than 83 . Color them orange.
5.) Find the numbers that are greater than 86 but smaller than 95. Color them green.

TRY IT ON

Try some clothes that you bought in the mall. Find the ones that are perfect for you by finding the following numbers stated below.
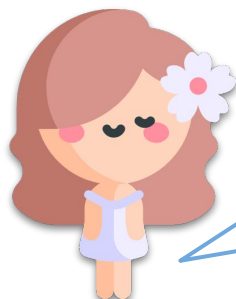
Find the following numbers:
5, 7, 10, 13, 14, 16, 18, 19, 20, 23, 28, 32, 37, 42, 46, 54, 59, 62, 67, 70, 75, 79, 83, 86, 95, 99.
Color them orange.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

WRIST WATCH

Your mother will give you the latest kids' wrist watch if you managed to ace this activity. Find the numbers indicated below and put the marks stated.

1.) Encircle the following numbers: 3, 6, 8, 10, 13
2.) Put a check mark on the following numbers: 15, 18, 21, 26, 29
3.) Put an X mark on the following numbers: 32, 36, 38, 40, 41
4.) Put a star on the following numbers: 43, 45, 48, 53, 58
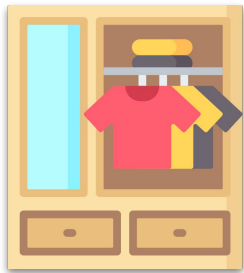5.) Put a triangle on the following numbers: 64, 67, 72, 77, 85

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

CLOSET DECLUTTER

You have so much stuff in your closet. To declutter your closet, subtract the following using the hundred chart. Remember that moving one square up means subtracting 10 units and one square to the left means subtracting 1 unit. Write your answers on the space provided.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

1.) 71 - 10 = __

2.) 45 - 10 = __

3.) 94 - 10 = __

4.) 36 - 10 = __

5.) 82 - 20 = __

6.) 29 - 20 = __

7.) 48 - 30 = __

8.) 57 - 30 = __

9.) 74 - 40 = __

10.) 91 - 40 = __

11.) 67 - 50 = __

12.) 88 - 50 = __

CLOTHES SHOPPING

You have saved some money for your clothes shopping. To buy the clothes you want, use the hundred chart to add the following numbers. Remember that moving 1 square down means subtracting 10 units and moving 1 square to the left means subtracting 1 unit. Write your answers on the space provided.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

1.) 54 + 5 = ＿＿＿

2.) 72 + 15 = ＿＿

3.) 14 + 10 = ＿＿

4.) 65 + 9 = ＿＿＿

5.) 26 + 50 = ＿＿

6.) 18 + 20 = ＿＿

7.) 73 + 25 = ＿＿

8.) 87 + 19 = ＿＿

9.) 32 + 60 = ＿＿＿

10.) 28 + 70 = ＿＿

11.) 17 + 20 = ＿＿

12.) 79 + 30 = ＿＿

13.) 35 + 40 = ＿＿

14.) 41 + 50 = ＿＿

15.) 22 + 10 = ＿＿

16.) 13 + 5 = ＿＿＿

JACKETS FOR SALE
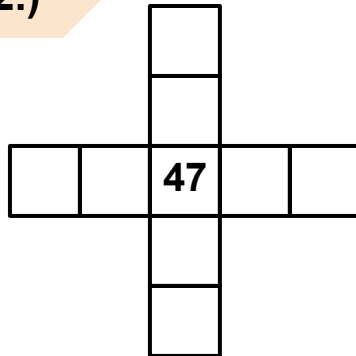
There are cool jackets on sale! To avail, complete the boxes below by filling in the missing numbers. Use your knowledge in hundreds chart to answer. Number 1 is for your reference.
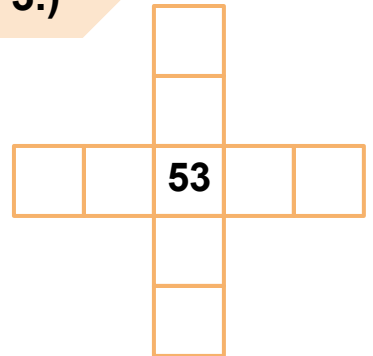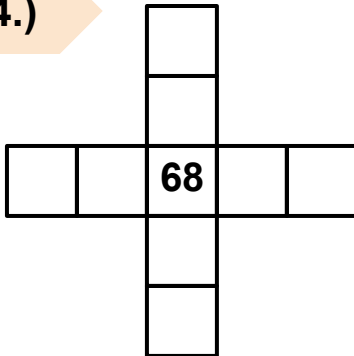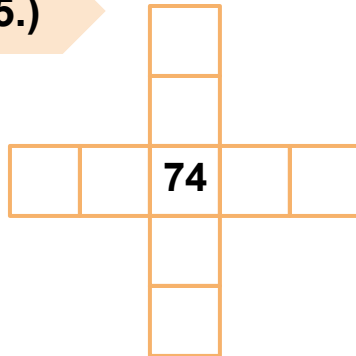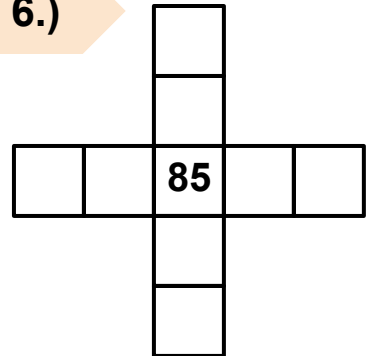
1.)

		16		
		26		
34	35	**36**	37	38
		46		
		56		

2.)

47

3.)

53

4.)

68

5.)

74

6.)

85

7.)

33

8.)

37

9.)

48
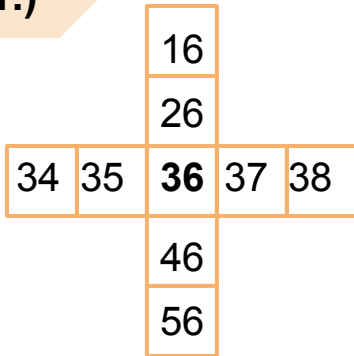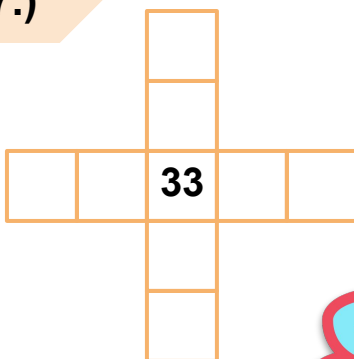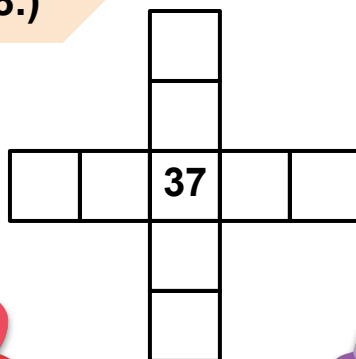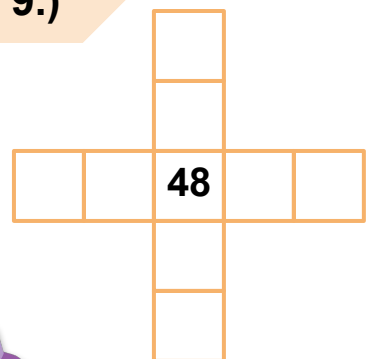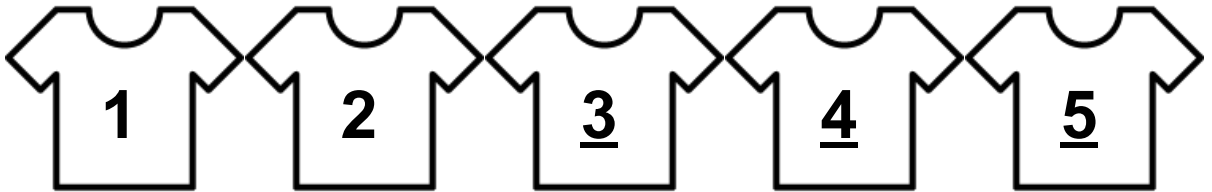
RESTYLING YOUR SHIRTS

G2
Advanced

Restyle your old shirts into a more attractive ones by identifying the next number in the sequence below. Write your answers on the space provided.

1.) 1 2 3 4 5

2.) 11 12 __ __ __

3.) __ 22 __ 24 __

4.) __ __ 33 34 __

5.) 41 __ 43 __ __

FASHION SHOW

Love watching fashion shows? Fill in the hundred chart below. Count 1 to 100 and write the numbers in each boxes to get free ticket to the show.

1.)

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

Count by ___'s from ___ to ___

2.)

| 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 |

Count by ___'s from ___ to ___

3.)

| 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 |

Count by ___'s from ___ to ___

4.)

| 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 |

Count by ___'s from ___ to ___

5.)

| 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 |

Count by ___'s from ___ to ___

ANSWER GUIDE

Activity 1

1	**2**	3	4	5	6	**7**	8	9	10
11	12	13	**14**	15	16	17	18	19	20
21	22	23	24	25	**26**	27	**28**	29	30
31	**32**	33	34	35	**36**	37	38	39	**40**
41	42	43	**44**	45	46	47	**48**	49	50
51	**52**	53	54	55	**56**	57	58	59	60
61	62	63	64	**65**	66	**67**	68	69	70
71	**72**	73	74	**75**	76	77	78	79	80
81	82	83	84	85	86	87	88	**89**	90
91	92	93	94	**95**	96	97	**98**	99	100

Activity 2

a.) 2   b.) 12   c.) 13   d.) 23   e.) 33   f.) 43   g.) 44   h.) 45

i.) 55   j.) 65   k.) 66   l.) 76   m.) 86   n.) 85   o.) 95

Activity 3

1.) 1, 2, 3, 4, 5, 6, 7
2.) 11, 12, 13, 14, 15, 16, 17, 18
3.) 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61
4.) 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82
5.) 87, 88, 89, 90, 91, 92, 93, 94

ANSWER GUIDE

Activity 4

1	2	3	4	**5**	6	**7**	8	9	**10**
11	12	**13**	**14**	15	**16**	17	**18**	**19**	**20**
21	22	**23**	24	25	26	27	**28**	29	30
31	**32**	33	34	35	36	**37**	38	39	40
41	**42**	43	44	45	**46**	47	48	49	50
51	52	53	**54**	55	56	57	58	**59**	60
61	**62**	63	64	65	66	**67**	68	69	**70**
71	72	73	74	**75**	76	77	78	**79**	80
81	82	**83**	84	85	**86**	87	88	89	90
91	92	93	94	**95**	96	97	98	**99**	100

Activity 5

1	2	③	4	5	⑥	7	⑧	9	⑩
11	12	⑬	14	15✓	16	17	18✓	19	20
21✓	22	23	24	25	26✓	27	28	29✓	30
31	32x	33	34	35	36x	37	38x	39	40x
41x	42	☆43	44	☆45	46	47	☆48	49	50
51	52	☆53	54	55	56	57	☆58	59	60
61	62	63	△64	65	66	△67	68	69	70
71	△72	73	74	75	76	△77	78	79	80
81	82	83	84	△85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

ANSWER GUIDE

Activity 6

1.) 61   2.) 35   3.) 84   4.) 26   5.) 62   6.) 9   7.) 18   8.) 27
9.) 34   10.) 51   11.) 17   12.) 38

Activity 7

1.) 59   2.) 87   3.) 24   4.) 74   5.) 76   6.) 38   7.) 98   8.) 106
9.) 92   10.) 98   11.) 37   12.) 109   13.) 75   14.) 91   15.) 32   16.) 18

Activity 8

2.)

| | 27 |
| 37 |
45	46	**47**	48	49
	57
	67

3.)

| | 33 |
| 43 |
51	52	**53**	54	55
	63
	73

4.)

| | 48 |
| 58 |
66	67	**68**	69	70
	78
	88

5.)

| | 54 |
| 64 |
72	73	**74**	75	76
	84
	94

6.)

| | 5 |
| 15 |
23	24	**25**	26	27
	35
	45

7.)

| | 16 |
| 26 |
34	35	**36**	37	38
	46
	56

8.)

| | 17 |
| 27 |
35	36	**37**	38	39
	47
	57

9.)

| | 28 |
| 38 |
46	47	**48**	49	50
	58
	68

ANSWER GUIDE

Activity 9

2.) 13, 14, 15
3.) 21, 23, 25

4.) 31, 32, 35
5.) 42, 44, 45

Activity 10

1.)   Count by 1's from 1 to 8
2.)   Count by 2's from 2 to 16
3.)   Count by 3's from 3 to 24
4.)   Count by 4's from 4 to 32
5.)   Count by 5's from 5 to 40

Thank you

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