Name _____ Date _____

Skills Maintenance

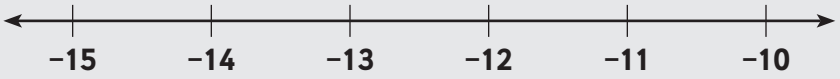
Number Patterns with Consecutive Numbers

Activity 1

Fill in the consecutive numbers that come before and after each of the integers. Sketch a modified number line if it helps.

Model

−13 , −12, −11



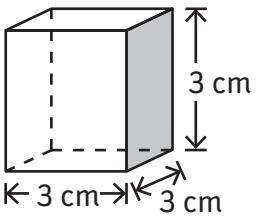
1. _____ , 0, _____
2. _____ , _____ , 4
3. 111, _____ , 113
4. _____ , −1, _____

Volume of Common Prisms

Activity 2

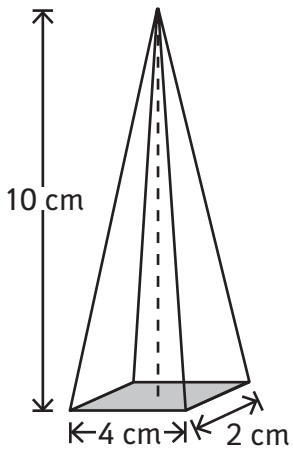
Find the volume of each shape. You are given the Base and the height.

1.



If the Base is 9 cm^2, what is the volume of the cube? _____

2.



If the Base is 8 cm^2, what is the volume of the triangular prism? _____

Unit 6

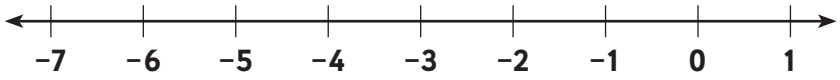
Name _____ Date _____

Apply Skills

Writing and Evaluating Expressions

Activity 1

Test the general pattern for consecutive numbers represented by the expressions x, $x + 1$, and $x + 2$ by selecting three consecutive numbers from the number line below. Make the first number x.



1. Select three consecutive numbers from the number line.

   What are your three consecutive numbers?

   _____ , _____ , _____

   Prove that the general pattern x, $x + 1$, and $x + 2$ is true for these three numbers.

   x = _____ $x + 1$ = _____ $x + 2$ = _____

2. Select a different set of three consecutive numbers from the number line.

   What are your three consecutive numbers?

   _____ , _____ , _____

   Prove that the general pattern x, $x + 1$, and $x + 2$ is true for these three numbers.

   x = _____ $x + 1$ = _____ $x + 2$ = _____

Name _____ Date _____

Activity 2

Test the general pattern for consecutive numbers represented by the expressions x, $x + 1$, and $x + 2$ by selecting three consecutive numbers from the number grid below. Make the first number x.

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

1. Select three consecutive numbers from the number grid.

What are your three consecutive numbers?

_____ , _____ , _____

Prove that the general pattern x, $x + 1$, and $x + 2$ is true for the three numbers you selected.

$x =$ _____ $x + 1 =$ _____ $x + 2 =$ _____

2. Select a different set of three consecutive numbers from the number grid.

What are your three consecutive numbers?

_____ , _____ , _____

Prove that the general pattern x, $x + 1$, and $x + 2$ is true for these three numbers.

$x =$ _____ $x + 1 =$ _____ $x + 2 =$ _____

Name _____ Date _____

Activity 3

Select three shaded numbers from the grid. Write three different sets of expressions for these numbers.

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

_____

_____

_____

2.

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

_____

_____

_____

Reinforce Understanding
Use the **mBook** ***Study Guide*** to review lesson concepts.