



- common multiples

A. Mark the numbers on the hundreds chart. Then list the common multiples.

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

Legend

 : multiples of 3

 : multiples of 4

 : multiples of 6

- 2.
- | | |
|-------------------------|--------------------|
| Common Multiples | 3 and 4: _____ |
| | 3 and 6: _____ |
| | _____ |
| | 4 and 6: _____ |
| | 3, 4, and 6: _____ |

B. Write the first ten multiples of each pair of numbers. Then write the common multiples in the boxes.

1. 5: _____
- 8: _____
- Common Multiples**
-
-
2. 10: _____
- 15: _____
- Common Multiples**
-

C. Put the numbers in the Venn diagram.

24	16	9	27
40	6	12	56
18	32	48	8
64	96	30	21

Multiples of 3

Multiples of 8

D. Find the first three common multiples for each set of numbers.

- | | |
|-------------------|-----------------------|
| 1. 2 and 6: _____ | 2. 2, 3, and 4: _____ |
| 3. 7 and 9: _____ | 4. 3, 6, and 7: _____ |

E. Find the answers.

I jog every 2 days and swim every 3 days.



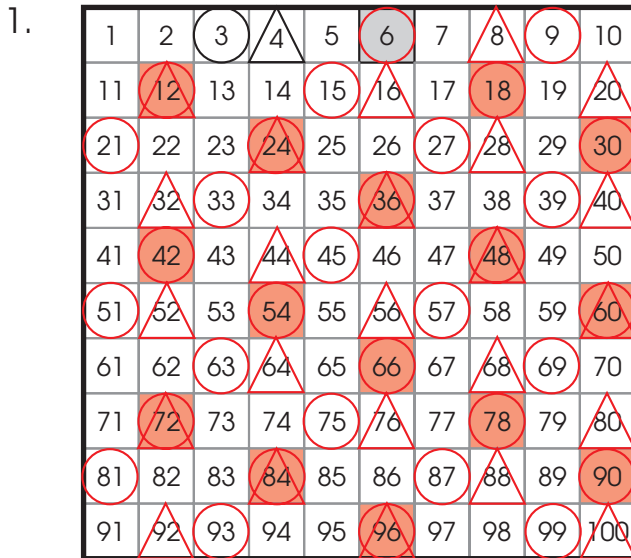
1. If Keith jogged and swam today, after how many days will he jog and swim again?

2. Will he jog and swim again after 18 days? Explain.



- common multiples

A. Mark the numbers on the hundreds chart. Then list the common multiples.



Legend

- : multiples of 3
- : multiples of 4
- : multiples of 6

2.

Common Multiples

- 3 and 4: 12, 24, 36, 48, 60, 72, 84, 96
- 3 and 6: 6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72, 78, 84, 90, 96
- 4 and 6: 12, 24, 36, 48, 60, 72, 84, 96
- 3, 4, and 6: 12, 24, 36, 48, 60, 72, 84, 96

B. Write the first ten multiples of each pair of numbers. Then write the common multiples in the boxes.

1. 5: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50
- 8: 8, 16, 24, 32, 40, 48, 56, 64, 72, 80

Common Multiples

40

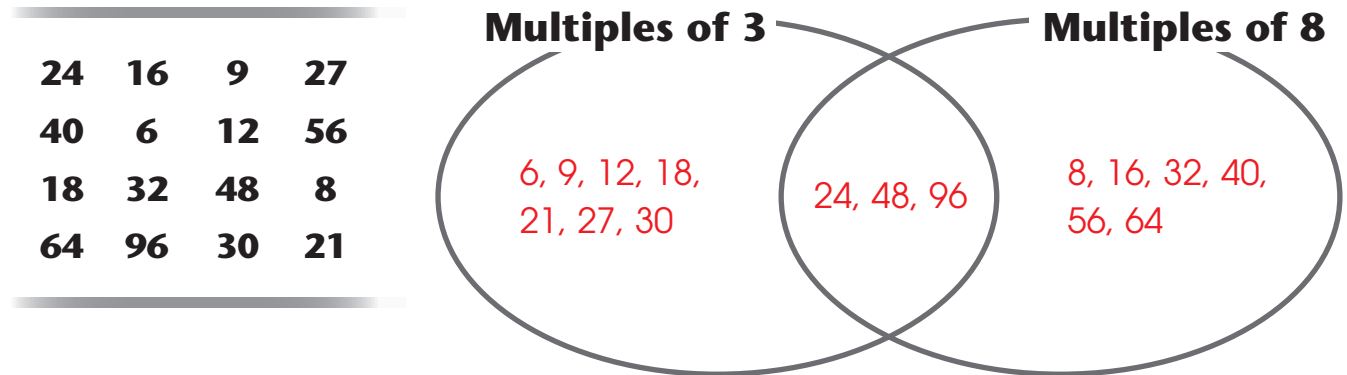
2. 10: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100
- 15: 15, 30, 45, 60, 75, 90, 105, 120, 135, 150

Common Multiples

30, 60, 90



C. Put the numbers in the Venn diagram.



D. Find the first three common multiples for each set of numbers.

- | | |
|---------------------------------|------------------------------------|
| 1. 2 and 6: <u>6, 12, 18</u> | 2. 2, 3, and 4: <u>12, 24, 36</u> |
| 3. 7 and 9: <u>63, 126, 189</u> | 4. 3, 6, and 7: <u>42, 84, 126</u> |

E. Find the answers.

I jog every 2 days and swim every 3 days.



1. If Keith jogged and swam today, after how many days will he jog and swim again?

The first common multiple of 2 and 3 is 6. So, Keith will jog and swim again after 6 days.

2. Will he jog and swim again after 18 days? Explain.

Yes, because 18 is a common multiple of 2 and 3.