

Finding Missing Parts

NCTM Standards 1, 2, 6, 7, 8, 9, 10

Find a rule.

1 26, 24, 22, _____, _____, _____, _____, 12, _____, _____, _____

2 33, 30, 27, _____, _____, 18, _____, _____, _____, 6, _____

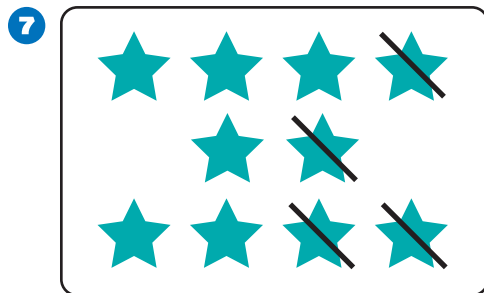
Fill in the missing part.

3 $9 \bigcirc 7 = 16$

4 $12 \bigcirc 4 = 8$

5 $8 - 3 = 4 \bigcirc 1$

6 $6 + 5 + \square = 15$



Total number of stars:

Number of stars crossed out: 

Number of stars NOT crossed out:

$$\square - \triangle = \bigcirc$$

$$\square - \bigcirc = \triangle$$

8  Compare the patterns in Problems 1 and 2.

Find a rule.

9 _____, _____, _____, 27, 25, 23, 21, _____, _____, _____, _____

10 _____, _____, 38, 35, _____, _____, 26, 23, _____, _____, _____

Fill in the missing parts.

11 8 ○ 3 = 9 ○ 2

12 $11 - 3 = 6 + 1 + \square$

13 7 ○ 5 = $11 - 5 - 4$

14 $9 + 5 - 3 = 8 \bigcirc 3$

15

A

B

C

D

	A	B	C	D
Total number of shapes:	8	<input type="text"/>	<input type="text"/>	<input type="text"/>
Number of shapes crossed out:	3	5	7	<input type="text"/>
Number of shapes NOT crossed out:	<input type="text"/>	<input type="text"/>	<input type="text"/>	8

16 Challenge Find a rule.

10	8	10	11	<input type="text"/>	23	<input type="text"/>	13	20	40	21	<input type="text"/>	<i>d</i>
6	3	3	9	6	3	19	7	<input type="text"/>	1	<input type="text"/>	2	<i>e</i>
4	5	7	<input type="text"/>	1	20	0	<input type="text"/>	10	<input type="text"/>	17	68	<i>d - e</i>