



Math worksheet on 'Statistics - Mean Change with Value Removed (Level 4)'. Part of a broader unit on 'Probability and Statistics - Mean, Median, and Mode - Advanced'.

Learn online:

[app.mobius.academy/math/units/probability\\_and\\_statistics\\_mean\\_median\\_mode\\_advanced](http://app.mobius.academy/math/units/probability_and_statistics_mean_median_mode_advanced)

**1**

What number can be removed for these numbers to have the given change in their mean

2, 9, 7, 6

mean decreases by 0

<b>a</b>	10	<b>b</b>	9
<b>c</b>	3	<b>d</b>	11
<b>e</b>	7	<b>f</b>	6

**2**

What number can be removed for these numbers to have the given change in their mean

12, 6, 6, 0

mean increases by 2

<b>a</b>	12	<b>b</b>	3
<b>c</b>	6	<b>d</b>	1
<b>e</b>	0	<b>f</b>	4

**3**

What number can be removed for these numbers to have the given change in their mean

10, 15, 5, 2

mean increases by 2

<b>a</b>	5	<b>b</b>	6
<b>c</b>	4	<b>d</b>	2
<b>e</b>	10	<b>f</b>	0

**4**

What number can be removed for these numbers to have the given change in their mean

7, 10, 1, 14

mean decreases by 2

<b>a</b>	11	<b>b</b>	9
<b>c</b>	14	<b>d</b>	1
<b>e</b>	7	<b>f</b>	15

**5**

What number can be removed for these numbers to have the given change in their mean

0, 9, 12, 7

mean decreases by 0

<b>a</b>	0	<b>b</b>	10
<b>c</b>	6	<b>d</b>	9
<b>e</b>	7	<b>f</b>	12

**6**

What number can be removed for these numbers to have the given change in their mean

2, 10, 3, 5

mean decreases by 0

<b>a</b>	2	<b>b</b>	10
<b>c</b>	8	<b>d</b>	5
<b>e</b>	3	<b>f</b>	0

**7**

What number can be removed for these numbers to have the given change in their mean

2, 12, 4, 6

mean decreases by 0

<b>a</b>	4	<b>b</b>	6
<b>c</b>	0	<b>d</b>	10
<b>e</b>	9	<b>f</b>	2