Name_____

Mean of a Dataset

Date_____ Period_____

**Find the mean of each dataset. Round to the nearest tenth.**

| | mean |
|---|---|
| 1. 12, 2, 10, 5, 10, 6, 7, 8, 12 | 8.0 |
| 2. 9, 7, 9, 11, 11, 4, 8, 11, 2 | 8.0 |
| 3. 9, 8, 11, 8, 2, 6, 5 | 7.0 |
| 4. 3, 8, 11, 9, 9 | 8.0 |
| 5. 12, 6, 9, 7, 5, 12, 9, 12, 9 | 9.0 |
| 6. 3, 8, 3, 11, 4, 10, 10 | 7.0 |
| 7. 3, 11, 11, 9, 11, 9 | 9.0 |
| 8. 11, 4, 5, 8, 7, 7 | 7.0 |
| 9. 9, 2, 11, 3, 8, 4, 5, 6, 6 | 6.0 |
| 10. 2, 4, 9, 5, 4, 6, 5 | 5.0 |
| 11. 6, 10, 5, 12, 7, 2, 8, 10, 12 | 8.0 |
| 12. 7, 1, 11, 9, 12, 4, 5 | 7.0 |

MathVine - Pre-Algebra

Name_____

Mean of a Dataset

Date_____ Period_____

**Find the mean of each dataset. Round to the nearest tenth.**

|  | mean |
|---|---|
| 1.  12, 2, 10, 5, 10, 6, 7, 8, 12 | 8 |
| 2.  9, 7, 9, 11, 11, 4, 8, 11, 2 | 8 |
| 3.  9, 8, 11, 8, 2, 6, 5 | 7 |
| 4.  3, 8, 11, 9, 9 | 8 |
| 5.  12, 6, 9, 7, 5, 12, 9, 12, 9 | 9 |
| 6.  3, 8, 3, 11, 4, 10, 10 | 7 |
| 7.  3, 11, 11, 9, 11, 9 | 9 |
| 8.  11, 4, 5, 8, 7, 7 | 7 |
| 9.  9, 2, 11, 3, 8, 4, 5, 6, 6 | 6 |
| 10.  2, 4, 9, 5, 4, 6, 5 | 5 |
| 11.  6, 10, 5, 12, 7, 2, 8, 10, 12 | 8 |
| 12.  7, 1, 11, 9, 12, 4, 5 | 7 |

**Solution Steps**

1) $12, 2, 10, 5, 10, 6, 7, 8, 12$

To find the mean, first add all the numbers together:
$12 + 2 + 10 + 5 + 10 + 6 + 7 + 8 + 12 = 72$
There are nine numbers in the list $12, 2, 10, 5, 10, 6, 7, 8$ and $12$ so we divide by nine:
$$\frac{72}{9} = 8$$
The mean of the set is 8

2) $9, 7, 9, 11, 11, 4, 8, 11, 2$

To find the mean, first add all the numbers together:
$9 + 7 + 9 + 11 + 11 + 4 + 8 + 11 + 2 = 72$
There are nine numbers in the list $9, 7, 9, 11, 11, 4, 8, 11$ and $2$ so we divide by nine:
$$\frac{72}{9} = 8$$
The mean of the set is 8

3) $9, 8, 11, 8, 2, 6, 5$

To find the mean, first add all the numbers together:
$9 + 8 + 11 + 8 + 2 + 6 + 5 = 49$
There are seven numbers in the list $9, 8, 11, 8, 2, 6$ and $5$ so we divide by seven:
$$\frac{49}{7} = 7$$
The mean of the set is 7

4) $3, 8, 11, 9, 9$

To find the mean, first add all the numbers together:
$3 + 8 + 11 + 9 + 9 = 40$
There are five numbers in the list $3, 8, 11, 9$ and $9$ so we divide by five:
$$\frac{40}{5} = 8$$
The mean of the set is 8

$12, 6, 9, 7, 5, 12, 9, 12, 9$

To find the mean, first add all the numbers together:

$12 + 6 + 9 + 7 + 5 + 12 + 9 + 12 + 9 = 81$

There are nine numbers in the list $12, 6, 9, 7, 5, 12, 9, 12$ and $9$ so we divide by nine:

$\dfrac{81}{9} = 9$

The mean of the set is 9

$3, 8, 3, 11, 4, 10, 10$

To find the mean, first add all the numbers together:

$3 + 8 + 3 + 11 + 4 + 10 + 10 = 49$

There are seven numbers in the list $3, 8, 3, 11, 4, 10$ and $10$ so we divide by seven:

$\dfrac{49}{7} = 7$

The mean of the set is 7

$3, 11, 11, 9, 11, 9$

To find the mean, first add all the numbers together:

$3 + 11 + 11 + 9 + 11 + 9 = 54$

There are six numbers in the list $3, 11, 11, 9, 11$ and $9$ so we divide by six:

$\dfrac{54}{6} = 9$

The mean of the set is 9

$11, 4, 5, 8, 7, 7$

To find the mean, first add all the numbers together:

$11 + 4 + 5 + 8 + 7 + 7 = 42$

There are six numbers in the list $11, 4, 5, 8, 7$ and $7$ so we divide by six:

$\dfrac{42}{6} = 7$

The mean of the set is 7

$9, 2, 11, 3, 8, 4, 5, 6, 6$

To find the mean, first add all the numbers together:

$9 + 2 + 11 + 3 + 8 + 4 + 5 + 6 + 6 = 54$

There are nine numbers in the list $9, 2, 11, 3, 8, 4, 5, 6$ and $6$ so we divide by nine:

$\dfrac{54}{9} = 6$

The mean of the set is 6

**10)** $2, 4, 9, 5, 4, 6, 5$

To find the mean, first add all the numbers together:
$2 + 4 + 9 + 5 + 4 + 6 + 5 = 35$
There are seven numbers in the list $2, 4, 9, 5, 4, 6$ and $5$ so we divide by seven:
$\dfrac{35}{7} = 5$
The mean of the set is 5


**11)** $6, 10, 5, 12, 7, 2, 8, 10, 12$

To find the mean, first add all the numbers together:
$6 + 10 + 5 + 12 + 7 + 2 + 8 + 10 + 12 = 72$
There are nine numbers in the list $6, 10, 5, 12, 7, 2, 8, 10$ and $12$ so we divide by nine:
$\dfrac{72}{9} = 8$
The mean of the set is 8


**12)** $7, 1, 11, 9, 12, 4, 5$

To find the mean, first add all the numbers together:
$7 + 1 + 11 + 9 + 12 + 4 + 5 = 49$
There are seven numbers in the list $7, 1, 11, 9, 12, 4$ and $5$ so we divide by seven:
$\dfrac{49}{7} = 7$
The mean of the set is 7