

Below is a table of the three most and least populous states with an estimation of their future populations.

| State        | Population |
|--------------|------------|
| California   | 39,400,000 |
| New York     | 19,300,000 |
| Texas        | 28,800,000 |
| North Dakota | 761,000    |
| Vermont      | 625,000    |
| Wyoming      | 577,000    |

What is the sum of the population of the three least populous states?

- a.  $8.75 \times 10^6$       c.  $1.963 \times 10^7$   
b.  $1.963 \times 10^6$       d.  $8.75 \times 10^7$

Below is a table of the three most and least populous states with an estimation of their future populations.

| State        | Population         |
|--------------|--------------------|
| California   | $3.93 \times 10^7$ |
| New York     | $1.94 \times 10^7$ |
| Texas        | $2.89 \times 10^7$ |
| North Dakota | $7.62 \times 10^5$ |
| Vermont      | $6.28 \times 10^5$ |
| Wyoming      | $5.77 \times 10^5$ |

Approximately how many times greater is the population of California than the population of Wyoming? Select the closest answer.

- a. 6.8      c. 681  
b. 68      d. 68.1

Below is a table of the three most and least populous states with an estimation of their future populations.

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|--------------|------------|
| California   | 39,400,000 |
| New York     | 19,700,000 |
| Texas        | 28,500,000 |
| North Dakota | 761,000    |
| Vermont      | 624,000    |
| Wyoming      | 579,000    |

What is the sum of the population of the three most populous states?

- a.  $8.76 \times 10^6$       c.  $8.76 \times 10^7$   
b.  $1.964 \times 10^5$       d.  $1.964 \times 10^6$

Below is a table of the three most and least populous states with an estimation of their future populations.

| State        | Population         |
|--------------|--------------------|
| California   | $3.94 \times 10^7$ |
| New York     | $1.93 \times 10^7$ |
| Texas        | $2.85 \times 10^7$ |
| North Dakota | $7.62 \times 10^5$ |
| Vermont      | $6.24 \times 10^5$ |
| Wyoming      | $5.77 \times 10^5$ |

Approximately how many times greater is the population of New York than the population of Vermont? Select the closest answer.

- a. 30.8      c. 30.9  
b. 308      d. 309

The table shows the diameters of three planets.

| Planet  | Diameter (in kilometers) |
|---------|--------------------------|
| Neptune | $4.9 \times 10^4$        |
| Uranus  | $5.1 \times 10^4$        |
| Saturn  | $1.2 \times 10^5$        |

Order the planets from least to greatest.

- a. Saturn, Uranus, Neptune      c. Neptune, Uranus, Saturn  
b. Uranus, Neptune, Saturn      d. Neptune, Saturn, Uranus

Which number is the least?

- $2.5 \times 10^4$   
 $3.48 \times 10^{-5}$   
 $4.5 \times 10^{-4}$   
 $1.56 \times 10^5$
- a.  $2.5 \times 10^4$       c.  $3.48 \times 10^{-5}$   
b.  $1.56 \times 10^5$       d.  $4.5 \times 10^{-4}$

The table shows the diameters of three planets.

| Planet | Diameter (in kilometers) |
|--------|--------------------------|
| Earth  | $1.3 \times 10^4$        |
| Saturn | $1.2 \times 10^5$        |
| Uranus | $5.1 \times 10^4$        |

Order the planets from greatest to least.

- a. Uranus, Saturn, Earth      c. Earth, Uranus, Saturn  
b. Saturn, Earth, Uranus      d. Saturn, Uranus, Earth

Which number is the least?

- $1.7 \times 10^4$   
 $2.4 \times 10^3$   
 $3.06 \times 10^{-4}$   
 $4.3 \times 10^{-3}$
- a.  $1.7 \times 10^4$       c.  $2.4 \times 10^3$   
b.  $4.3 \times 10^{-3}$       d.  $3.06 \times 10^{-4}$

The table shows the diameters of three planets.

| Planet | Diameter (in kilometers) |
|--------|--------------------------|
| Earth  | $1.3 \times 10^4$        |
| Saturn | $1.2 \times 10^5$        |
| Uranus | $5.1 \times 10^4$        |

Order the planets from greatest to least.

- a. Saturn, Uranus, Earth                      c. Saturn, Earth, Uranus  
b. Uranus, Saturn, Earth                    d. Earth, Uranus, Saturn

Which number is the least?

- $4.7 \times 10^{-5}$   
 $1.1 \times 10^6$   
 $2.7 \times 10^5$   
 $3.41 \times 10^{-6}$

- a.  $4.7 \times 10^{-5}$                                       c.  $2.7 \times 10^5$   
b.  $3.41 \times 10^{-6}$                                     d.  $1.1 \times 10^6$