

Week 6

1. The table shows the population of four states according to the 2000 census.

State	Population (millions)
Arkansas	2.673
Iowa	2.926
Kansas	2.688
Texas	20.852

List the states in order of population from greatest to least.

- A. Texas, Kansas, Iowa, Arkansas
 B. Iowa, Kansas, Arkansas, Texas
 C. Iowa, Texas, Kansas, Arkansas
 D. Texas, Iowa, Kansas, Arkansas

MS7 2-11

6. A meteorologist records how many inches above or below the average monthly rainfall a location receives every month. The table shows the data for four months in one city.

Actual Rainfall Compared to Average Rainfall (in inches)	
May	1.25
June	-1.75
July	0.625
August	-2.5

Which shows these measurements in order from least to greatest?

- A. -1.75, -2.5, 0.625, 1.25
 B. -2.5, -1.75, 0.625, 1.25
 C. -1.75, -2.5, 1.25, 0.625
 D. 0.625, 1.25, -1.75, -2.5

MS7 2-11

2. Which numbers are in order from least to greatest?

- A. $-\frac{1}{3}, -\frac{4}{9}, \frac{3}{8}, -\frac{5}{6}$
 B. $-\frac{5}{6}, -\frac{1}{3}, -\frac{4}{9}, \frac{3}{8}$
 C. $-\frac{1}{3}, -\frac{4}{9}, -\frac{5}{6}, \frac{3}{8}$
 D. $-\frac{5}{6}, -\frac{4}{9}, -\frac{1}{3}, \frac{3}{8}$

MS7 2-11

7. Which operation should be performed first to simplify the expression $18 - 1 \times 9 \div 3 + 9$?

- A. Addition
 B. Subtraction
 C. Multiplication
 D. Division

MS7 1-5

3. When ordering the fractions $\frac{1}{3}, \frac{4}{5}, \frac{7}{8}$, and $\frac{1}{6}$ which common denominator should be used?

- A. 40
 B. 80
 C. 95
 D. 120

MS7 2-11

8. Simplify the expression $(45 - 9) \div 3$.

- A. 15
 B. 12
 C. 10
 D. 3

MS7 1-5

4. Add. $5,643 + (-984) =$

- A. -4, 659
 B. -3,321
 C. 4,659
 D. 5,319

MS7 2-2

9. Subtract. $-564 - (-583) =$

- A. -19
 B. 19
 C. 1147
 D. -1147

MS7 2-3

5. Divide. $354 \div (-12)$

- A. -31
 B. -29.5
 C. 29.5
 D. 32.75

MS7 2-4

10. Multiply. $-46 \times (-153) =$

- A. -7,058
 B. -7,038
 C. 7,038
 D. 7,058

MS7 2-4

Week 6

<p>11. A recipe calls for $1\frac{3}{4}$ cups of flour. Van wants to make one and one-half times the recipe. How much flour should he use?</p> <p>A. $\frac{7}{8}$ cups C. $1\frac{3}{8}$ cups B. $1\frac{1}{6}$ cups D. $2\frac{5}{8}$ cups</p> <p style="text-align: right;"><i>MS7 3-10</i></p>	<p>16. The chart shows a submarine's depth for four hours. Which expression can be used to find the amount of the greatest change in one hour?</p> <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th>Time</th> <th>1 PM</th> <th>2 PM</th> <th>3 PM</th> <th>4 PM</th> </tr> </thead> <tbody> <tr> <td>Depth (meters)</td> <td>-80</td> <td>-204</td> <td>-137</td> <td>-171</td> </tr> </tbody> </table> <p>A. $-80 + -204$ meters B. $- 204 - -80$ meters C. $-204 - (-80)$ meters D. $-80 - (-204)$ meters</p> <p style="text-align: right;"><i>MS7 2-3</i></p>	Time	1 PM	2 PM	3 PM	4 PM	Depth (meters)	-80	-204	-137	-171
Time	1 PM	2 PM	3 PM	4 PM							
Depth (meters)	-80	-204	-137	-171							
<p>12. Simplify the expression $174 - 9^2 \div 3$</p> <p>A. 171 B. 168 C. 147 D. 131</p> <p style="text-align: right;"><i>MS7 1-5</i></p>	<p>17. Simplify the expression $36 + 63 \div 9$.</p> <p>A. 11 B. 27 C. 36 D. 43</p> <p style="text-align: right;"><i>MS7 1-5</i></p>										
<p>13. What integer is described below?</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>The absolute value of a number is 5, and the number lies to the left of 0 on the number line.</p> </div> <p>A. -5 B. 5 C. -5 D. 5</p> <p style="text-align: right;"><i>MS7 2-1</i></p>	<p>18. There are 90 students in a 7th grade class. Two-thirds of them went on the field trip. Which expression can be used to model the number of students that went on the field trip?</p> <p>A. $\frac{2}{3} + 90$ C. $90 - \frac{2}{3}$ B. $\frac{2}{3} \cdot 90$ D. $90 \div \frac{2}{3}$</p> <p style="text-align: right;"><i>MS7 1-8</i></p>										
<p>14. Find the product. $(-3) \times (-8) \times (-7) \times (-19) =$</p> <p>A. -3,192 B. -2,312 C. 2,438 D. 3,192</p> <p style="text-align: right;"><i>MS7 2-4</i></p>	<p>19. Multiply. $4.264 \times 3.00273 =$</p> <p>A. 12.8036 B. 12.80364 C. 12.8036407 D. 12.80364072</p> <p style="text-align: right;"><i>MS7 2-11</i></p>										
<p>15. What is the greatest common factor (GCF) of 18 and 30?</p> <p>A. 3 B. 6 C. 9 D. 15</p> <p style="text-align: right;"><i>MS7 2-7</i></p>	<p>20. In the prime factorization of 27, how many times is 3 shown?</p> <p>A. 1 B. 2 C. 3 D. 4</p> <p style="text-align: right;"><i>MS7 2-6</i></p>										