

**Grade: 5**    **Category:** Order of operations (PEMDAS)**Sub Category:** With parenthesis & exponents. Solve the following.**Worksheet #:** 43Q

1. $5^2 - 3^2 \times 2 + 8 \div 4$	6. $(42 - 30) \div 6 \times 4 + 3^2$
2. $8 \times (2 + 5 + 3) - (8 - 4)^2$	7. $5^2 + (2 + 12 - 4)^2 \div 10$
3. $8^2 + 4^2 - 15 \times 10 \div 2$	8. $6^2 - 4^2 \times 2 + 6 - 3^2$
4. $6^2 + (12 + 5 - 10)^2 \div 7$	9. $(6^2 - 4^2) \times 2 + 6 - 3^2$
5. $5^3 - (9 + 2 - 5)^2 + 4$	10. $6^2 - 4^2 \times 2 + (6 - 3)^2$

**Grade:** 5    **Category:** Order of operations (PEMDAS)

**Sub Category:** With parenthesis & exponents. Solve the following.

**Worksheet #:** 43A

<p>1. <math>5^2 - 3^2 \times 2 + 8 \div 4</math>  <math>25 - 9 \times 2 + 8 \div 4</math>  <math>25 - 18 + 2</math>  <math>7 + 2 = 9</math></p>	<p>6. <math>(42 - 30) \div 6 \times 4 + 3^2</math>  <math>12 \div 6 \times 4 + 9</math>  <math>2 \times 4 + 9</math>  <math>8 + 9 = 17</math></p>
<p>2. <math>8 \times (2 + 5 + 3) - (8 - 4)^2</math>  <math>8 \times 10 - 16</math>  <math>80 - 16 = 64</math></p>	<p>7. <math>5^2 + (2 + 12 - 4)^2 \div 10</math>  <math>25 + 100 \div 10</math>  <math>25 + 10 = 35</math></p>
<p>3. <math>8^2 + 4^2 - 15 \times 10 \div 2</math>  <math>64 + 16 - 150 \div 2</math>  <math>64 + 16 - 75</math>  <math>80 - 75 = 5</math></p>	<p>8. <math>6^2 - 4^2 \times 2 + 6 - 3^2</math>  <math>36 - 16 \times 2 + 6 - 9</math>  <math>36 - 32 + 6 - 9</math>  <math>4 + 6 - 9 = 10 - 9 = 1</math></p>
<p>4. <math>6^2 + (12 + 5 - 10)^2 \div 7</math>  <math>36 + 7^2 \div 7</math>  <math>36 + 49 \div 7</math>  <math>36 + 7 = 43</math></p>	<p>9. <math>(6^2 - 4^2) \times 2 + 6 - 3^2</math>  <math>(36 - 16) \times 2 + 6 - 9</math>  <math>20 \times 2 + 6 - 9</math>  <math>40 + 6 - 9 = 46 - 9 = 37</math></p>
<p>5. <math>5^3 - (9 + 2 - 5)^2 + 4</math>  <math>125 - 36 + 4</math>  <math>89 + 4 = 93</math></p>	<p>10. <math>6^2 - 4^2 \times 2 + (6 - 3)^2</math>  <math>36 - 16 \times 2 + 9</math>  <math>36 - 32 + 9</math>  <math>4 + 9 = 13</math></p>