

# MADAWASKA SCHOOL DEPARTMENT POWER MATH STANDARD

## OA.Q

"Students understand that a whole number is a multiple of each of its factors and know how to determine factors and multiples for numbers 0 - 100. "

| HOME OR SCHOOL<br>Learn IT                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | HOME OR SCHOOL<br>PRACTICE IT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | INformation FOR<br>For Parents                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |     |     |     |     |     |      |     |     |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |                                                                      |                                                               |
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| <ul style="list-style-type: none"><li>Learn about Prime Numbers:<br/>Watch this <a href="#">video</a>.</li><li>Learn about Arrays: <a href="#">Video 1</a><br/><a href="#">Video 2</a><br/>Use Quick Code LZ2423</li><li>Learn about Multiplication:<br/><a href="#">Video 1</a> <a href="#">Video 2</a> <a href="#">Video 3</a> <a href="#">Video 4</a><br/><a href="#">Video 5</a></li><li>Learn about Square Numbers:<br/>Watch this <a href="#">video</a>.</li><li>Learn about Prime #s</li></ul> | <p><b>Prime Numbers:</b><br/><u>ONLINE:</u><br/><a href="#">Composite Numbers</a> <a href="#">Prime Numbers</a></p> <p><u>WORKSHEETS:</u><br/><a href="#">Prime Number Maze</a></p> <p><u>GAMES:</u><br/><a href="#">Prime Number Hunt</a><br/>(ONLINE) <a href="#">Prime or Composite</a></p> <p><b>Factors &amp; Multiples:</b><br/><u>ONLINE:</u><br/><a href="#">Numbers on Number Line</a><br/><a href="#">Multiplying 1 Digit Numbers</a></p> <p><u>WORKSHEETS:</u><br/><a href="#">Finding Factors</a><br/><a href="#">Finding Multiples</a><br/><a href="#">Identifying Multiples</a><br/><a href="#">Determining Factors&amp; Multiples</a></p> | <div><p><b>PRIME NUMBERS</b><br/>A prime is a number whose only factors are 1 and the number itself.<br/>0 and 1 are not prime, and 2 is the only even prime number.<br/>All numbers that are not prime are called composite.</p><table><tr><td>prime</td><td>1x2</td><td>1x3</td><td>1x4</td><td>1x5</td><td>1x6</td><td>1x7</td><td>1x8</td><td>1x9</td><td>1x10</td></tr><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr><tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr><tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr><tr><td>31</td><td>32</td><td>33</td><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td>39</td><td>40</td></tr><tr><td>41</td><td>42</td><td>43</td><td>44</td><td>45</td><td>46</td><td>47</td><td>48</td><td>49</td><td>50</td></tr><tr><td>51</td><td>52</td><td>53</td><td>54</td><td>55</td><td>56</td><td>57</td><td>58</td><td>59</td><td>60</td></tr><tr><td>61</td><td>62</td><td>63</td><td>64</td><td>65</td><td>66</td><td>67</td><td>68</td><td>69</td><td>70</td></tr><tr><td>71</td><td>72</td><td>73</td><td>74</td><td>75</td><td>76</td><td>77</td><td>78</td><td>79</td><td>80</td></tr><tr><td>81</td><td>82</td><td>83</td><td>84</td><td>85</td><td>86</td><td>87</td><td>88</td><td>89</td><td>90</td></tr><tr><td>91</td><td>92</td><td>93</td><td>94</td><td>95</td><td>96</td><td>97</td><td>98</td><td>99</td><td>100</td></tr></table></div> <p><u>RESOURCES:</u></p> <p><b>Prime vs. Composite Numbers</b></p> <table><tr><td><b>Prime</b><br/>have only 2 factors:<br/>(1 and itself)<br/>2,3,5,7,11</td><td><b>Composite</b><br/>have more than 2 factors<br/>4,6,8,9,12,14</td></tr></table> <p>0 and 1 are neither</p> | prime | 1x2 | 1x3 | 1x4 | 1x5 | 1x6 | 1x7  | 1x8 | 1x9 | 1x10 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | <b>Prime</b><br>have only 2 factors:<br>(1 and itself)<br>2,3,5,7,11 | <b>Composite</b><br>have more than 2 factors<br>4,6,8,9,12,14 |
| prime                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1x2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1x3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1x4   | 1x5 | 1x6 | 1x7 | 1x8 | 1x9 | 1x10 |     |     |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |                                                                      |                                                               |
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| 41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 43                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 44    | 45  | 46  | 47  | 48  | 49  | 50   |     |     |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |                                                                      |                                                               |
| 51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 52                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 53                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 54    | 55  | 56  | 57  | 58  | 59  | 60   |     |     |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |                                                                      |                                                               |
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| 71                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 72                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 73                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 74    | 75  | 76  | 77  | 78  | 79  | 80   |     |     |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |                                                                      |                                                               |
| 81                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 82                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 83                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 84    | 85  | 86  | 87  | 88  | 89  | 90   |     |     |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |                                                                      |                                                               |
| 91                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 92                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 93                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 94    | 95  | 96  | 97  | 98  | 99  | 100  |     |     |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |                                                                      |                                                               |
| <b>Prime</b><br>have only 2 factors:<br>(1 and itself)<br>2,3,5,7,11                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Composite</b><br>have more than 2 factors<br>4,6,8,9,12,14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |     |     |     |     |     |      |     |     |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |                                                                      |                                                               |

## Square Numbers:

### WORKSHEETS:

[Square Number](#)

[Find Squares](#)

### ONLINE:

### WORKSHEETS:

[Factor Trees](#)

[Prime Factorization](#)

