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|---|---|----|-----------------------|
| Topic: Prime and Composite Numbers  |   |    |                       |
| Object: Identify prime and composite numbers and work with prime factorization. |   |    |                       |
| * choose the correct answer:  |   |    |                       |
| 1   | ..... is a prime number. (9 – 16 – <b>19</b> – 21 )                       |    |                       |
| 2   | ..... is a prime number. (1 – 6 – <b>7</b> – 12 )                         |    |                       |
| 3   | ..... is not a prime number. ( <b>1</b> – 3 – 5 – 7 )                     |    |                       |
| 4   | ..... is a composite number. (1 – 3 – 13 – <b>15</b> )                    |    |                       |
| 5   | ..... is not a composite number. ( <b>11</b> – 12 – 14 – 20)              |    |                       |
| 6   | The smallest prime number is ... (0 – 1 – <b>2</b> – 3)                   |    |                       |
| 7   | The smallest odd prime number is ... (0 – 1 – 2 – <b>3</b> )              |    |                       |
| 8   | The prime number between 44 and 50 is ... (45 – 46 – <b>47</b> – 48 – 49) |    |                       |
| * complete:   |   |    |                       |
| 9   | The smallest prime number is <b>2</b>                                     |    |                       |
| 10  | The prime numbers has <b>2</b> factors.                                   |    |                       |
| 11  | The only even prime number is <b>2</b>                                    |    |                       |
| 12  | The prime numbers between 60 and 70 are <b>61, 67</b>                     |    |                       |
| 13  | The number 37 is <b>prime</b> number because it has <b>2</b> factors.     |    |                       |
| * using the prime-factorization to list the factors of the following numbers:   |   |    |                       |
| 14  | 64 ⇒ <b>1,2,4,8,16,32,64</b>  | 15 | 38 ⇒ <b>1,2,19,38</b> |
| 16  | 49 ⇒ <b>1,7,49</b>  | 17 | 23 ⇒ <b>1,23</b>      |
| * Find the greatest common factor GCF:  |   |    |                       |
| 18  | 45 and 60 ⇒ <b>15</b>   |    |                       |
| 19  | 10 and 24 ⇒ <b>2</b>  |    |                       |
| 20  | 15, 18, 21, and 24 ⇒ <b>3</b>   |    |                       |

