

- 11** 2170  
**12** 1824  
**13** 3024  
**14** 4200  
**15** 2160  
**16** 4544  
**17** divisible by 3  
**18** divisible by 7  
**19** divisible by 11  
**20** divisible by 3  
**21** divisible by 13, 17  
**22** divisible by 11  
**23** divisible by 3  
**24** divisible by 17, 19  
**25** 101, 103, 107, 109, 113, 127, 131, 137, 139, 149

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**A**

- |                   |                                      |
|-------------------|--------------------------------------|
| <b>1 a)</b> 5     | <b>6</b> No                          |
| <b>b)</b> 3, 5, 6 | <b>7</b> No                          |
| <b>c)</b> 5, 8    | <b>8</b> 4                           |
| <b>d)</b> 3, 5    | <b>9</b> 16                          |
| <b>2 a)</b> 48    | <b>10</b> 8                          |
| <b>b)</b> 90      | <b>11</b> 1, 2, 5, 7, 10, 14, 35, 70 |
| <b>3</b> 36       | <b>12</b> 1, 2, 4, 8, 16, 32, 64     |
| <b>4</b> Yes      | <b>13 a)</b> 36, 72, etc.            |
| <b>5</b> Yes      | <b>b)</b> 24, 48, etc.               |

**B**

- |  |                 |              |
|--|-----------------|--------------|
| <b>1 a)</b> 6, 9                                   | <b>2 a)</b> 378 | <b>5</b> 896 |
| <b>b)</b> 4, 6, 7                                  | <b>b)</b> 168   | <b>6</b> 40  |
| <b>c)</b> 6, 7, 9                                  | <b>3</b> 49, 64 | <b>7</b> 45  |
| <b>d)</b> 4, 6, 9                                  | <b>4</b> 360    |              |
| <b>8 a)</b> 21, 42, etc.                           |                 |              |
| <b>b)</b> 66, 132, etc.                            |                 |              |
| <b>9 a)</b> 1, 2, 3, 6, 13, 26, 39, 78             |                 |              |
| <b>b)</b> 1, 2, 3, 4, 6, 8, 12, 16, 24, 32, 48, 96 |                 |              |
| <b>10 a)</b> 12                                    |                 |              |
| <b>b)</b> 16                                       |                 |              |
| <b>11 a)</b> 97                                    |                 |              |
| <b>b)</b> 49                                       |                 |              |

**C**

- |  |                |                |                |
|--|----------------|----------------|----------------|
| <b>1 a)</b> 14                           | <b>2 a)</b> 16 | <b>3 a)</b> 24 | <b>4 a)</b> 64 |
| <b>b)</b> 18                             | <b>b)</b> 14   | <b>b)</b> 36   | <b>b)</b> 90   |
| <b>c)</b> 20                             | <b>c)</b> 3    | <b>c)</b> 48   | <b>c)</b> 36   |
| <b>d)</b> 24                             | <b>d)</b> 18   | <b>d)</b> 60   | <b>d)</b> 88   |
| <b>5 a)</b> 36, 72, 96                   |                |                |                |
| <b>b)</b> 32, 36, 72, 76, 92, 96         |                |                |                |
| <b>c)</b> 27, 36, 39, 63, 69, 72, 93, 96 |                |                |                |
| <b>6</b> 961                             |                |                |                |

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**A**

- |             |               |              |              |
|-------------|---------------|--------------|--------------|
| <b>1</b> 21 | <b>7</b> 12   | <b>13</b> 8  | <b>19</b> 60 |
| <b>2</b> 22 | <b>8</b> 11   | <b>14</b> 9  | <b>20</b> 42 |
| <b>3</b> 45 | <b>9</b> 99   | <b>15</b> 7  | <b>21</b> 9  |
| <b>4</b> 56 | <b>10</b> 108 | <b>16</b> 6  | <b>22</b> 5  |
| <b>5</b> 8  | <b>11</b> 24  | <b>17</b> 28 | <b>23</b> 9  |
| <b>6</b> 10 | <b>12</b> 0   | <b>18</b> 80 | <b>24</b> 8  |

**B**

- |              |                |                |               |
|--------------|----------------|----------------|---------------|
| <b>1</b> 9   | <b>10</b> 6    | <b>19</b> 540  | <b>28</b> 110 |
| <b>2</b> 7   | <b>11</b> 121  | <b>20</b> 320  | <b>29</b> 50  |
| <b>3</b> 72  | <b>12</b> 56   | <b>21</b> 720  | <b>30</b> 70  |
| <b>4</b> 27  | <b>13</b> 360  | <b>22</b> 550  | <b>31</b> 120 |
| <b>5</b> 6   | <b>14</b> 640  | <b>23</b> 630  | <b>32</b> 90  |
| <b>6</b> 12  | <b>15</b> 1080 | <b>24</b> 1320 | <b>33</b> 120 |
| <b>7</b> 72  | <b>16</b> 300  | <b>25</b> 60   | <b>34</b> 80  |
| <b>8</b> 144 | <b>17</b> 1320 | <b>26</b> 40   | <b>35</b> 120 |
| <b>9</b> 7   | <b>18</b> 490  | <b>27</b> 60   | <b>36</b> 110 |

**C**

- |               |                  |                  |                |
|---------------|------------------|------------------|----------------|
| <b>1</b> 120  | <b>10</b> 70     | <b>19</b> 2400   | <b>28</b> 600  |
| <b>2</b> 60   | <b>11</b> 840    | <b>20</b> 6300   | <b>29</b> 900  |
| <b>3</b> 720  | <b>12</b> 960    | <b>21</b> 3600   | <b>30</b> 600  |
| <b>4</b> 480  | <b>13</b> 7200   | <b>22</b> 6300   | <b>31</b> 900  |
| <b>5</b> 120  | <b>14</b> 13 200 | <b>23</b> 14 400 | <b>32</b> 600  |
| <b>6</b> 70   | <b>15</b> 4200   | <b>24</b> 7700   | <b>33</b> 900  |
| <b>7</b> 350  | <b>16</b> 4800   | <b>25</b> 400    | <b>34</b> 1100 |
| <b>8</b> 1210 | <b>17</b> 3600   | <b>26</b> 500    | <b>35</b> 700  |
| <b>9</b> 60   | <b>18</b> 6400   | <b>27</b> 800    | <b>36</b> 900  |

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**A**

- |             |               |              |              |
|-------------|---------------|--------------|--------------|
| <b>1</b> 99 | <b>7</b> 400  | <b>13</b> 70 | <b>19</b> 60 |
| <b>2</b> 36 | <b>8</b> 320  | <b>14</b> 50 | <b>20</b> 90 |
| <b>3</b> 40 | <b>9</b> 720  | <b>15</b> 90 | <b>21</b> 70 |
| <b>4</b> 45 | <b>10</b> 300 | <b>16</b> 60 | <b>22</b> 90 |
| <b>5</b> 28 | <b>11</b> 240 | <b>17</b> 90 | <b>23</b> 60 |
| <b>6</b> 72 | <b>12</b> 270 | <b>18</b> 70 | <b>24</b> 90 |

**B**

- |              |                  |                  |                |
|--------------|------------------|------------------|----------------|
| <b>1</b> 8   | <b>10</b> 320    | <b>19</b> 490    | <b>28</b> 60   |
| <b>2</b> 6   | <b>11</b> 360    | <b>20</b> 24 000 | <b>29</b> 200  |
| <b>3</b> 12  | <b>12</b> 27     | <b>21</b> 3000   | <b>30</b> 7000 |
| <b>4</b> 40  | <b>13</b> 540    | <b>22</b> 1320   | <b>31</b> 60   |
| <b>5</b> 90  | <b>14</b> 13 200 | <b>23</b> 9600   | <b>32</b> 400  |
| <b>6</b> 90  | <b>15</b> 49 000 | <b>24</b> 54 000 | <b>33</b> 60   |
| <b>7</b> 35  | <b>16</b> 630    | <b>25</b> 70     | <b>34</b> 700  |
| <b>8</b> 121 | <b>17</b> 2400   | <b>26</b> 400    | <b>35</b> 8000 |
| <b>9</b> 48  | <b>18</b> 7200   | <b>27</b> 8000   | <b>36</b> 600  |

**C**

- |                 |                  |                |                |
|-----------------|------------------|----------------|----------------|
| <b>1</b> 60     | <b>10</b> 42 000 | <b>19</b> 0.6  | <b>28</b> 1.08 |
| <b>2</b> 900    | <b>11</b> 1440   | <b>20</b> 0.9  | <b>29</b> 2.5  |
| <b>3</b> 70     | <b>12</b> 7200   | <b>21</b> 0.5  | <b>30</b> 3.6  |
| <b>4</b> 8000   | <b>13</b> 3.5    | <b>22</b> 1.1  | <b>31</b> 1.2  |
| <b>5</b> 600    | <b>14</b> 1.8    | <b>23</b> 0.6  | <b>32</b> 0.8  |
| <b>6</b> 70     | <b>15</b> 2.1    | <b>24</b> 0.8  | <b>33</b> 0.5  |
| <b>7</b> 72 000 | <b>16</b> 2.4    | <b>25</b> 5.6  | <b>34</b> 0.5  |
| <b>8</b> 13 200 | <b>17</b> 8.1    | <b>26</b> 2.4  | <b>35</b> 0.9  |
| <b>9</b> 630    | <b>18</b> 8.4    | <b>27</b> 12.1 | <b>36</b> 0.8  |

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**A**

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|-------------|--------------|-------------|-------------|
| <b>1</b> 66 | <b>7</b> 12  | <b>13</b> 9 | <b>19</b> 8 |
| <b>2</b> 35 | <b>8</b> 63  | <b>14</b> 4 | <b>20</b> 6 |
| <b>3</b> 45 | <b>9</b> 48  | <b>15</b> 6 | <b>21</b> 3 |
| <b>4</b> 48 | <b>10</b> 24 | <b>16</b> 5 | <b>22</b> 8 |
| <b>5</b> 32 | <b>11</b> 27 | <b>17</b> 7 | <b>23</b> 9 |
| <b>6</b> 36 | <b>12</b> 42 | <b>18</b> 9 | <b>24</b> 4 |