

# Week 2

Page 8

**A**

- |      |      |      |       |
|------|------|------|-------|
| 1 -5 | 4 2  | 7 0  | 10 7  |
| 2 -4 | 5 1  | 8 6  | 11 -2 |
| 3 3  | 6 -2 | 9 -1 | 12 4  |
- 13 -5 -4 -3 -2 -1 0 1 2 3 4 5  
 14 -10 -8 -6 -4 -2 0 2 4 6 8 10  
 15 5 4 3 2 1 0 -1 -2 -3 -4 -5  
 16 10 8 6 4 2 0 -2 -4 -6 -8 -10  
 17 A -4°C B -1°C C 3°C  
 18 A  
 19 a) 3°C b) 4°C c) 7°C  
 20 a) 4°C b) -5°C c) 2°C d) -2°C

Page 9

**B**

- |      |     |      |      |
|------|-----|------|------|
| 1 -2 | 3 4 | 5 -3 | 7 -7 |
| 2 3  | 4 7 | 6 -4 | 8 -1 |
- 9 4 3 2 1 0 -1 -2  
 10 -5 -4 -3 -2 -1 0 1  
 11 4 2 0 -2 -4 -6 -8  
 12 6 4 2 0 -2 -4 -6  
 13 -10 -8 -6 -4 -2 0 2  
 14 9 7 5 3 1 -1 -3  
 15 A -8°C B -2°C C 1°C D 7°C  
 16 a) 9°C b) 9°C c) 3°C d) 15°C  
 17 a) 2°C b) 3°C c) -9°C  
 18 > 20 < 22 < 24 <  
 19 < 21 > 23 > 25 >

**C**

- |      |     |                    |
|------|-----|--------------------|
| 1 3  | 5 5 | 9 -5, -3, 0, 1, 2  |
| 2 8  | 6 3 | 10 -3, -1, 1, 2, 4 |
| 3 5  | 7 6 | 11 -4, -1, 0, 2, 3 |
| 4 10 | 8 9 | 12 -5, -2, 0, 1, 5 |

Page 24

**A**

- |                         |       |        |
|-------------------------|-------|--------|
| 1 3, 6, 9, 12, 15, 18   |       |        |
| 2 4, 8, 12, 16, 20, 24  |       |        |
| 3 6, 12, 18, 24, 30, 36 |       |        |
| 4 9, 18, 27, 36, 45, 54 |       |        |
| 5 Yes                   | 8 Yes | 11 Yes |
| 6 No                    | 9 Yes | 12 Yes |
| 7 Yes                   | 10 No | 13 151 |
|                         |       | 14 74  |
|                         |       | 15 84  |
|                         |       | 16 39  |

**B**

- |                               |          |          |
|-------------------------------|----------|----------|
| 1 7, 14, 21, 28, 35, 42       |          |          |
| 2 12, 24, 36, 48, 60, 72      |          |          |
| 3 15, 30, 45, 60, 75, 90      |          |          |
| 4 99, 198, 297, 396, 495, 594 |          |          |
| 5 True                        | 9 True   | 13 True  |
| 6 False                       | 10 True  | 14 False |
| 7 False                       | 11 False | 15 False |
| 8 True                        | 12 False | 16 True  |
|                               |          | 17 160   |
|                               |          | 18 76    |
|                               |          | 19 156   |
|                               |          | 20 110   |

**C**

- |                              |
|------------------------------|
| 2 a) 534, 267, 948, 882, 171 |
| b) 534, 948, 882             |
| 3 258, 372, 378, 528, 582    |
| 732, 738, 852, 2358, 2538    |
| 3258, 3528, 3582, 3852, 5238 |
| 5328, 5382, 5832, 8352, 8532 |

Page 25

**A**

- |     |     |      |       |
|-----|-----|------|-------|
| 1 8 | 4 9 | 7 10 | 10 6  |
| 2 5 | 5 8 | 8 8  | 11 50 |
| 3 4 | 6 3 | 9 7  | 12 1  |
- 13 1, 2, 4, 8  
 14 1, 5, 25  
 15 1, 2, 11, 22  
 16 1, 2, 3, 6, 9, 18  
 17 1, 3, 5, 15  
 18 1, 2, 4, 8, 16, 32  
 19 1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60  
 20 1, 2, 3, 4, 6, 9, 12, 18, 36

6

**B**

- |   |
|---|
| 1 1, 2, 7, 14, 49, 98                         |
| 2 1, 2, 4, 13, 26, 52                         |
| 3 1, 2, 3, 6, 11, 22, 33, 66                  |
| 4 1, 3, 7, 9, 21, 63                          |
| 5 1, 2, 3, 4, 6, 8, 12, 16, 24, 48            |
| 6 1, 2, 3, 4, 6, 7, 12, 14, 21, 28, 42, 84    |
| 7 1, 2, 3, 6, 17, 34, 51, 102                 |
| 8 1, 2, 3, 6, 13, 26, 39, 78                  |
| 9 1, 2, 3, 5, 6, 9, 10, 15, 18, 30, 45, 90    |
| 10 1, 2, 3, 4, 6, 11, 12, 22, 33, 44, 66, 132 |
| 11 1, 2, 4, 5, 7, 10, 14, 20, 28, 35, 70, 140 |
| 12 1, 2, 3, 4, 6, 9, 12, 18, 27, 36, 54, 108  |
| 13 1, 127                                     |
| 14 1, 3, 9, 13, 39, 117                       |
| 15 1, 2, 4, 31, 62, 124                       |
| 16 1, 2, 4, 7, 8, 14, 16, 28, 56, 112         |
| 17 1, 3                                       |
| 18 1, 2                                       |
| 19 1, 2, 4                                    |
| 20 1, 2, 3, 6                                 |
| 21 1, 2, 5, 10                                |
| 22 1, 2, 4, 5, 10, 20                         |
| 23 1, 2, 4, 8                                 |
| 24 1, 3                                       |
| 25 1, 5                                       |
| 26 1, 7                                       |
| 27 1, 2, 4                                    |
| 28 1, 2                                       |
| 29 1, 2, 3, 4, 6, 12                          |
| 30 1, 2, 3, 6                                 |
| 31 1, 5                                       |
| 32 1, 3, 9                                    |

**C**

- |  |       |       |
|--|-------|-------|
| 1 1, 7, 19, 133  |       |       |
| 2 1, 2, 3, 6, 23, 46, 69, 138                          |       |       |
| 3 1, 2, 3, 4, 6, 8, 9, 12, 16, 18, 24, 36, 48, 72, 144 |       |       |
| 4 1, 2, 3, 6, 9, 18, 27, 54, 81, 162                   |       |       |
| 5 1, 2, 4, 8, 11, 16, 22, 44, 88, 176                  |       |       |
| 6 1, 2, 7, 13, 14, 26, 91, 182                         |       |       |
| 7 1, 2, 4, 8, 23, 46, 92, 184                          |       |       |
| 8 1, 2, 5, 10, 25, 50, 125, 250                        |       |       |
| 9 2  | 12 6  | 15 4  |
| 10 5   | 13 10 | 16 7  |
| 11 8   | 14 3  | 17 25 |
|  |       | 18 18 |
|  |       | 19 15 |
|  |       | 20 12 |