

UNIT 10 Sequences

Mental Tests

M 10.1 Standard Route *(no calculator)*

Write down the next two terms of each sequence:

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|-----|---------------------------|----------|
| 1. | 2, 4, 6, 8, 10, ... | (12, 14) |
| 2. | 1, 5, 9, 13, 17, ... | (21, 25) |
| 3. | 2, 5, 8, 11, 14, ... | (17, 20) |
| 4. | 1, 2, 4, 8, 16, ... | (32, 64) |
| 5. | 11, 21, 31, 41, 51, ... | (61, 71) |
| 6. | 7, 14, 21, 28, 35, ... | (42, 49) |
| 7. | 2, 6, 10, 14, 18, ... | (22, 26) |
| 8. | 5, 10, 15, 20, 25, .. | (30, 35) |
| 9. | 5, 7, 9, 11, 13, 15, ... | (17, 19) |
| 10. | 4, 9, 14, 19, 24, 29, ... | (34, 39) |
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M 10.2 Academic Route *(no calculator)*

Write down the next two terms of each sequence:

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|-----|-----------------------------|-----------|
| 1. | 3, 6, 9, 12, 15, 18, ... | (21, 24) |
| 2. | 1, 2, 4, 8, 16, 32, ... | (64, 128) |
| 3. | 5, 10, 15, 20, 25, 30, ... | (35, 40) |
| 4. | 5, 11, 17, 23, 29, 35, ... | (41, 47) |
| 5. | 1, 4, 9, 16, 25, 36, ... | (49, 64) |
| 6. | 50, 48, 46, 44, 42, 40, ... | (38, 36) |
| 7. | 3, 7, 11, 15, 19, 23, ... | (27, 31) |
| 8. | 2, 3, 5, 8, 12, 17, .. | (23, 30) |
| 9. | 1, 13, 25, 37, 49, 61, ... | (73, 85) |
| 10. | 22, 21, 19, 16, 12, ... | (7, 1) |

UNIT 10 Sequences

Mental Tests

M 10.3 Express Route (*no calculator*)

Write down the next two terms of each sequence:

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|-----|--------------------------|-----------|
| 1. | 3, 12, 21, 30, 39, ... | (48, 57) |
| 2. | 1, 13, 25, 37, 49, ... | (61, 73) |
| 3. | 51, 48, 45, 42, 39, ... | (36, 33) |
| 4. | 1, 15, 29, 43, 57, ... | (71, 85) |
| 5. | 3, 6, 12, 24, 48, ... | (96, 192) |
| 6. | 4, 6, 9, 13, 18, ... | (24, 31) |
| 7. | 2, 5, 10, 17, 26, ... | (37, 50) |
| 8. | 40, 38, 34, 28, 20, .. | (10, -2) |
| 9. | 2, 4, 6, 10, 16, 26, ... | (42, 68) |
| 10. | 14, 11, 8, 5, 2, ... | (-1, -4) |