Extending number sequences (2)
Maths worksheets from mathsblog.co.uk

Predict the next two numbers in each of these sequences. Then write down what the rule is for the sequence. Watch out for negative numbers.

E.g. 13,   22,   31,   40 | 49 | | 58 |

Rule: *add 9*

1. 11,   28,   45,   62   [ ]   [ ]

Rule: ....

2. 50,   29,   8,   –13,   [ ]   [ ]

Rule: ....

3. -32,   -18,   -4,   10,   [ ]   [ ]

Rule: ....

4. 888,   767,   646,   525, [ ]   [ ]

Rule: ....

5. 3,   9,   27,   81,   [ ]   [ ]

Rule: ....

6. 100,   81,   64,   49,   [ ]   [ ]

Rule: ....

7. 512,   256,   128 ,   64   [ ]   [ ]

Rule: ....

Answers

1. 79,   96   Rule: add 17

2. -34,   -55   Rule: subtract 21

3. 24,   38   Rule: add 14

4. 404,   283   Rule: subtract 121

5. 243,   729   Rule: multiply by 3

6. 36,   25   Rule: decreasing square numbers

7. 32,   16   Rule: halving