

Wednesday – Maths

Factor Trees - ANSWERS

Level 1

- a. 42 – 1,2,3,6,7,14,21,42
- b. 18 – 1, 2, 3, 6, 9, 18.,
- c. 21 – 1,3,7,21
- d. 49 – 1,7,49
- e. 56 - 1, 2, 4, 7, 14, 28

Level 2

Multiples and Factors

Common Factors

Name one common factor of 35 and 60, explaining how you know.

Can you find the highest common factor of 35 and 60?

Both numbers end in 5 or 0, so 5 is a common factor.

The highest common factor is 5.

Multiples and Factors

Factor Pairs

Explain how you would find all the factor pairs of 36 to make sure you have found them all.

Compare your answer with a partner. Can you improve your explanations?

Start with 1 and the number itself - 36. Write either end of the list.

1

36

Work through each number to see if it one of a pair. In this case 2×18 , 3×12 , 4×9 . 5 is not a factor. 6×6 . This is the last pair as the numbers from 1 and from 36 have met at 6.