

Write the prime factorisation of a number to 100

NAME	DATE	SCORE / 10
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- 1** Use exponents for repeated factors. Write 62 as a product of prime factors.

- 2** Ana says the prime factorization of 24 is 8×3 . Is Ana right?

☐ No, it is $2^3 \times 3$ ☐ Yes, Ana is right ☐ No, it is $2^2 \times 3$

- 3** Use exponents for repeated factors. Write 60 as a product of prime factors.

- 4** Dev says the prime factorization of 20 is $2^2 \times 5$. Is Dev right?

☐ No, it is 2×5 ☐ No, it is 4×5 ☐ Yes, Dev is right

- 5** Use exponents for repeated factors. Write 16 as a product of prime factors.

- 6** Leo says the prime factorization of 20 is 2×5 . Is Leo right?

☐ Yes, Leo is right ☐ No, it is 4×5 ☐ No, it is $2^2 \times 5$

- 7** Use exponents for repeated factors. Write 25 as a product of prime factors.

8

Ivy says the prime factorization of 18 is 2×3 . Is Ivy right?

☐ No, it is 2×9 ☐ No, it is 2×3^2 ☐ Yes, Ivy is right

9

Use exponents for repeated factors. Write 70 as a product of prime factors.

10

Ben says the prime factorization of 90 is $2 \times 3^2 \times 5$. Is Ben right?

☐ No, it is $2 \times 3 \times 5$ ☐ No, it is $2 \times 9 \times 5$ ☐ Yes, Ben is right

Write the prime factorisation of a number to 100

1 2×31

3 $2^2 \times 3 \times 5$

5 2^5

7 5^2

9 $2 \times 5 \times 7$

2 No, it is $2^3 \times 3$

4 Yes, Dev is right

6 No, it is $2^2 \times 5$

8 No, it is 2×3^2

10 Yes, Ben is right
