



Math worksheet on 'Sums - Series of Integers 1 to N - Summation Form to Addition (Level 1)'. Part of a broader unit on 'Patterns and Sums - Intro'

Learn online: app.mobius.academy/math/units/patterns_and_sums_intro/

- 2** What addition does this summation form represent?

$$\sum_{n=1}^{24} n$$

- a** $1 + 2 + \dots + 24 + 25$
- b** $2 + 3 + \dots + 23 + 24$
- c** $1 + 2 + \dots + 23 + 24$
- d** $0 + 1 + \dots + 23 + 24$
- e** $1 + 2 + \dots + 22 + 23$

- 4** What addition does this summation form represent?

$$\sum_{n=1}^{23} n$$

- a** $0 + 1 + \dots + 22 + 23$
- b** $2 + 3 + \dots + 22 + 23$
- c** $1 + 2 + \dots + 22 + 23$
- d** $1 + 2 + \dots + 23 + 24$
- e** $1 + 2 + \dots + 21 + 22$

- 6** What addition does this summation form represent?

$$\sum_{n=1}^{17} n$$

- a** $1 + 2 + \dots + 16 + 17$
- b** $2 + 3 + \dots + 16 + 17$
- c** $1 + 2 + \dots + 17 + 18$
- d** $1 + 2 + \dots + 15 + 16$
- e** $0 + 1 + \dots + 16 + 17$

- 1** What addition does this summation form represent?

$$\sum_{n=1}^{21} n$$

- a** $2 + 3 + \dots + 20 + 21$
- b** $0 + 1 + \dots + 20 + 21$
- c** $1 + 2 + \dots + 21 + 22$
- d** $1 + 2 + \dots + 20 + 21$
- e** $1 + 2 + \dots + 19 + 20$

- 3** What addition does this summation form represent?

$$\sum_{n=1}^{19} n$$

- a** $1 + 2 + \dots + 17 + 18$
- b** $0 + 1 + \dots + 18 + 19$
- c** $2 + 3 + \dots + 18 + 19$
- d** $1 + 2 + \dots + 18 + 19$
- e** $1 + 2 + \dots + 19 + 20$

- 5** What addition does this summation form represent?

$$\sum_{n=1}^{14} n$$

- a** $0 + 1 + \dots + 13 + 14$
- b** $1 + 2 + \dots + 14 + 15$
- c** $2 + 3 + \dots + 13 + 14$
- d** $1 + 2 + \dots + 13 + 14$
- e** $1 + 2 + \dots + 12 + 13$

- 7** What addition does this summation form represent?

$$\sum_{n=1}^{11} n$$

- a** $0 + 1 + \dots + 10 + 11$
- b** $1 + 2 + \dots + 10 + 11$
- c** $2 + 3 + \dots + 10 + 11$
- d** $1 + 2 + \dots + 11 + 12$
- e** $1 + 2 + \dots + 9 + 10$