



Math worksheet on 'Sums - Series of Integers 1 to N - Equation 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 equation give you a quicker way to calculate?

$$\frac{23(23 + 1)}{2}$$

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

- 4** What addition does this equation give you a quicker way to calculate?

$$\frac{19(19 + 1)}{2}$$

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

- 6** What addition does this equation give you a quicker way to calculate?

$$\frac{16(16 + 1)}{2}$$

- a** $2 + 3 + \dots + 15 + 16$
- b** $1 + 2 + \dots + 16 + 17$
- c** $0 + 1 + \dots + 15 + 16$
- d** $1 + 2 + \dots + 15 + 16$
- e** $1 + 2 + \dots + 14 + 15$

- 1** What addition does this equation give you a quicker way to calculate?

$$\frac{11(11 + 1)}{2}$$

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

- 3** What addition does this equation give you a quicker way to calculate?

$$\frac{9(9 + 1)}{2}$$

- a** $0 + 1 + \dots + 8 + 9$
- b** $1 + 2 + \dots + 9 + 10$
- c** $1 + 2 + \dots + 7 + 8$
- d** $1 + 2 + \dots + 8 + 9$
- e** $2 + 3 + \dots + 8 + 9$

- 5** What addition does this equation give you a quicker way to calculate?

$$\frac{8(8 + 1)}{2}$$

- a** $1 + 2 + \dots + 8 + 9$
- b** $1 + 2 + \dots + 7 + 8$
- c** $2 + 3 + \dots + 7 + 8$
- d** $1 + 2 + \dots + 6 + 7$
- e** $0 + 1 + \dots + 7 + 8$

- 7** What addition does this equation give you a quicker way to calculate?

$$\frac{14(14 + 1)}{2}$$

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