

Cour.pro UK — GCSE Maths Worksheet

15 practice questions - Name: _____ Date: _____

1. Solve for x: $3x + 13 = 4$

- A) -2
- B) -3
- C) 3
- D) -4

2. Find the volume of a cuboid $5 \text{ cm} \times 6 \text{ cm} \times 8 \text{ cm}$ in cm^3 .

- A) 19
- B) 30
- C) 240
- D) 236

3. Increase £200 by 25%.

- A) £250
- B) £225
- C) £150
- D) £50

4. Increase £800 by 20%.

- A) £640
- B) £960
- C) £160
- D) £820

5. Increase £400 by 20%.

- A) £320
- B) £420
- C) £480
- D) £80

6. Solve for x: $8x - 15 = 25$

- A) -5
- B) 4
- C) 6
- D) 5

7. Simplify $2^2 \times 2^3$ as a single power value.

- A) 64
- B) 32
- C) 12
- D) 34

8. Expand $2(x + 2)$. What is the constant term?

- A) 5
- B) 6
- C) 2
- D) 4

9. Find the area of a circle with radius 9 cm (use $\pi = 3.14$). Give it to 2 d.p.

- A) 28.26
- B) 56.52
- C) 81
- D) 254.34

10. Expand $5(x + 6)$. What is the constant term?

- A) 30
- B) 11
- C) 35
- D) 6

11. Simplify $6^5 \times 6^4$ as a single power value.

- A) 3656158440062976
- B) 10077696
- C) 10077702
- D) 9072

12. For the line $y = 5x + 3$, find y when $x = 3$.

- A) 18
- B) 9
- C) 11
- D) 12

13. A sequence has n th term $4n + 2$. Find the 8th term.

- A) 35
- B) 34
- C) 38
- D) 32

14. Find the area of a circle with radius 5 cm (use $\pi = 3.14$). Give it to 2 d.p.

- A) 31.4
- B) 78.5
- C) 15.7
- D) 25

15. Expand $3(x + 7)$. What is the constant term?

- A) 7
- B) 10
- C) 24
- D) 21

Answer key

1. B — -3 2. C — 240 3. A — £250 4. B — £960 5. C — £480 6. D — 5 7. B — 32 8. D — 4 9. D — 254.34 10. A — 30 11. B — 10077696 12. A — 18 13. B — 34 14. B — 78.5 15. D — 21