

Prior-knowledge relay and maths bingo for IGCSE and GCSE: answers

IGCSE Math Revision · IGCSE and GCSE (Higher and Extended) · Teacher answers and notes

No calculator needed.

Teacher notes

- ‘Find someone who...’ bingo (starter): students walk round with the sheet and find a different classmate who can do each one; that classmate writes the answer and their initials. First to fill the sheet with correct answers wins. It mixes the class and shows you, at a glance, what was remembered from last year.
- Relay: teams of four sit in a row. Student 1 answers question (a) and passes the answer to student 2, who needs it for (b), and so on. The team brings you the final answer; if it is wrong, they find the broken link together. Nothing is recorded on the site.
- Afterwards, set the [baseline test](#) for a fuller picture of what each student remembers; 20 multiple-choice questions with an instant topic-by-topic report.

Starter

1. **540°**
 - $(5 - 2) \times 180 = 540$
2. **$x^2 - 2x - 15$**
 - $x^2 - 5x + 3x - 15$
3. **12**
 - $10\% = 8$ and $5\% = 4$
4. **$x = 5$**
 - $3x = 15$

Task A: Leg 1: number

- a. **27**
 - $36 \div 4 \times 3 = 27$
- b. **9**
 - $27 = 3^3$, $45 = 3^2 \times 5$
 - HCF = 9
- c. **63**
 - $81 - 18 = 63$
- d. **$3^2 \times 7$**
 - $63 = 9 \times 7$

Task B: Leg 2: algebra

- a. **10**
 - $x - 3 = 7$
- b. **86**
 - $10 + 19 \times 4 = 86$

c. **72**

- $86 \times 2 - 100 = 72$

d. **$x = 9$ or $x = -9$**

- $x^2 = 81$

Task C: Leg 3: shape and data

a. **42**

- $\frac{1}{2} \times 12 \times 7 = 42$

b. **37**

- $5 \times 42 = 210$
- $210 - 173 = 37$

c. **93**

- $180 - 37 - 50 = 93$

d. **87°**

- $180 - 93 = 87$

Extension

1. **$x = 4$, $y = 3$**

- Add: $3x = 12$
- $y = 4 - 1 = 3$

Every question is original and every answer was recomputed by computer before publishing.