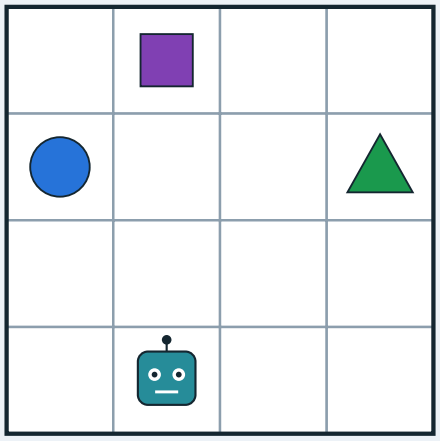
Robot Code

Kindergarten | 2026-11-12 | Worksheet

An adult can read this aloud. Start at the green dot and follow the arrows one by one. Move the robot one box for each arrow. Which picture does it stop on?

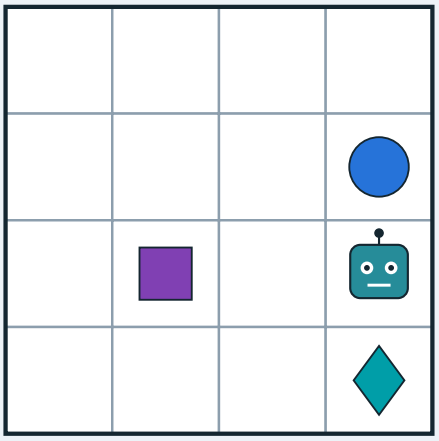
Three arrows, one box each. Circle the picture where the robot stops.

1



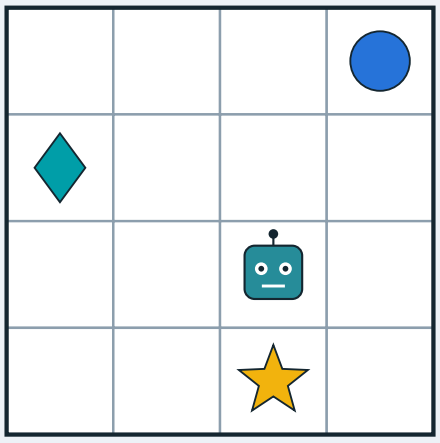
A B C

2



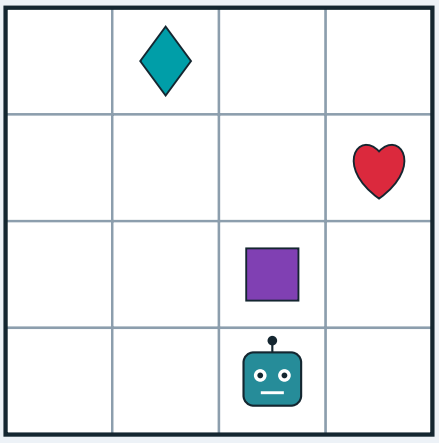
A B C

3



A B C

4



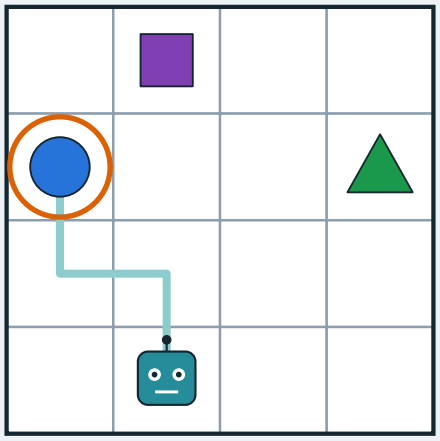
A B C

Robot Code

Kindergarten | 2026-11-12 | Answer key

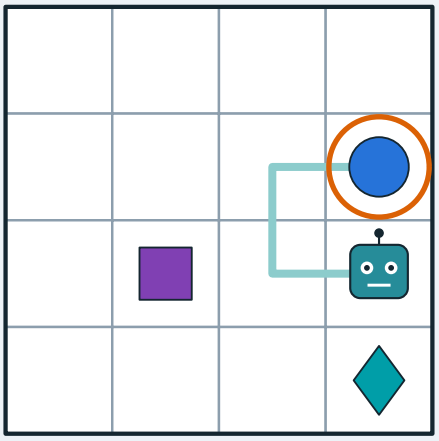
The line shows the robot’s path and the ring marks the answer. Trace the path together, one command after another.

1



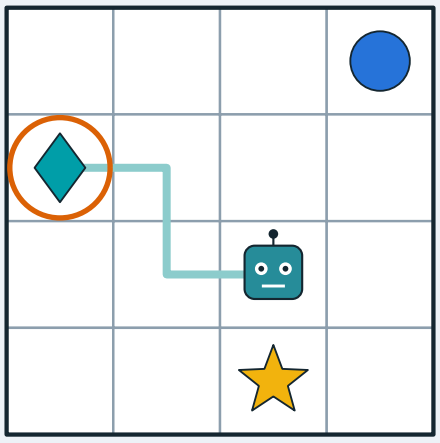
A B C

2



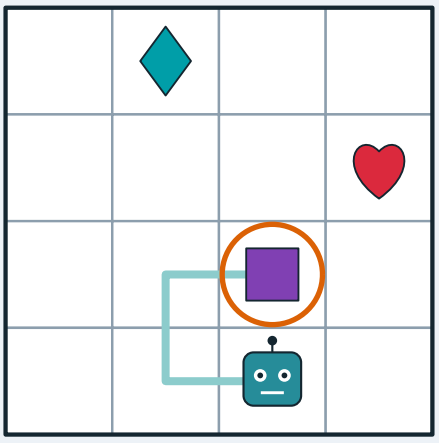
A B C

3



A B C

4



A B C

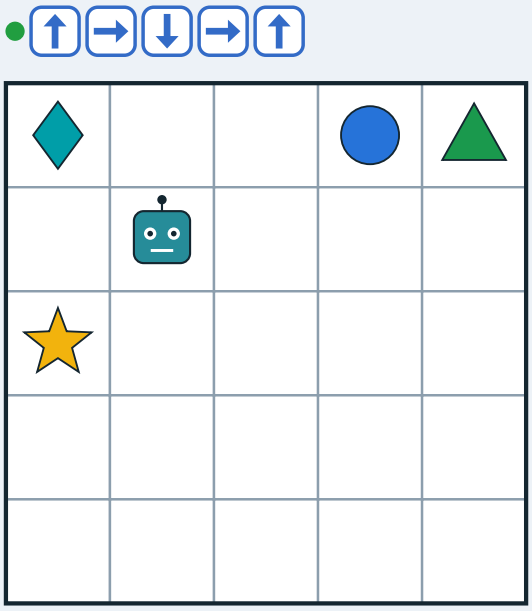
Robot Code

Grade 1 | 2026-11-12 | Worksheet

Start at the green dot and follow the code one command after another. Each arrow moves the robot one box, or as many boxes as the number beside it. Circle the letter of your answer.

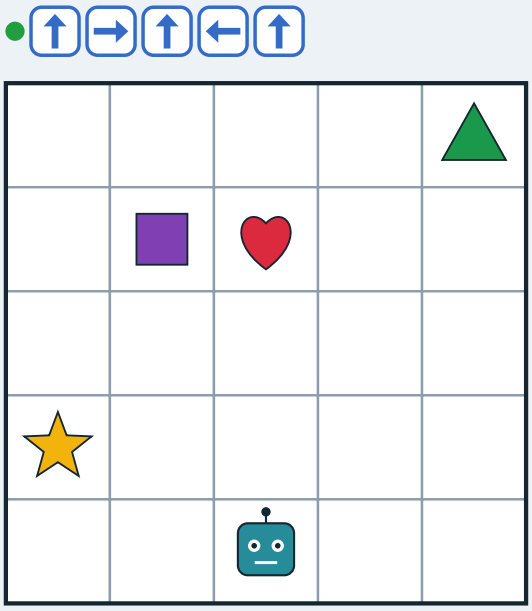
Five arrows, one box each. Circle the picture where the robot stops.

1



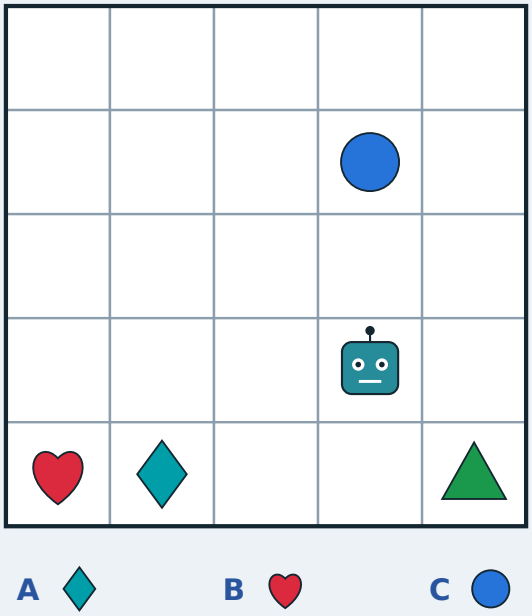
A B C

2



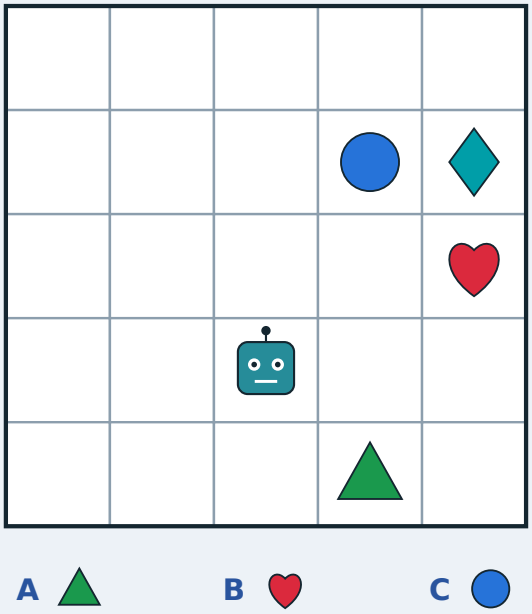
A B C

3



A B C

4



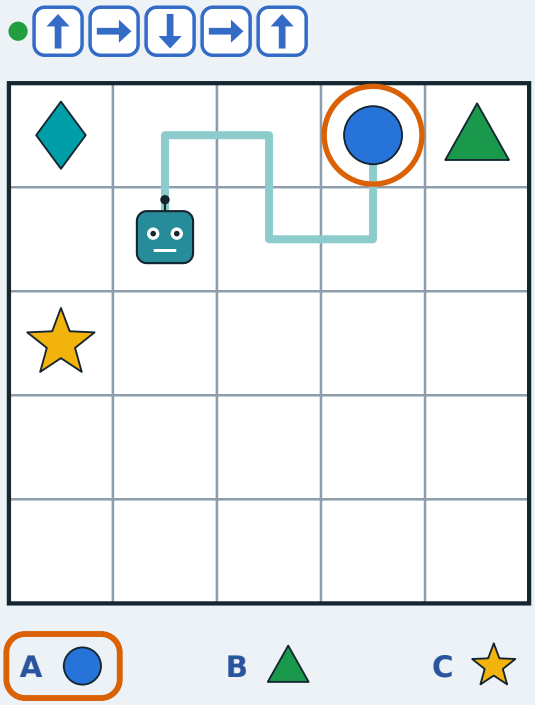
A B C

Robot Code

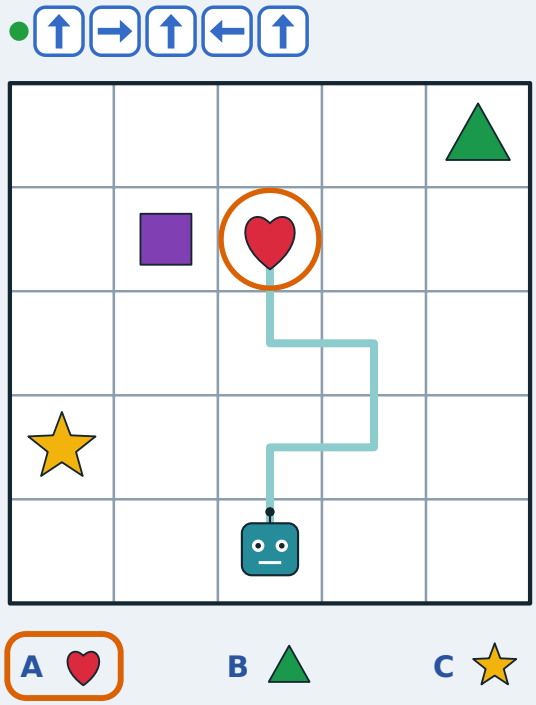
Grade 1 | 2026-11-12 | Answer key

The line shows the robot’s path and the ring marks the answer. Trace the path together, one command after another.

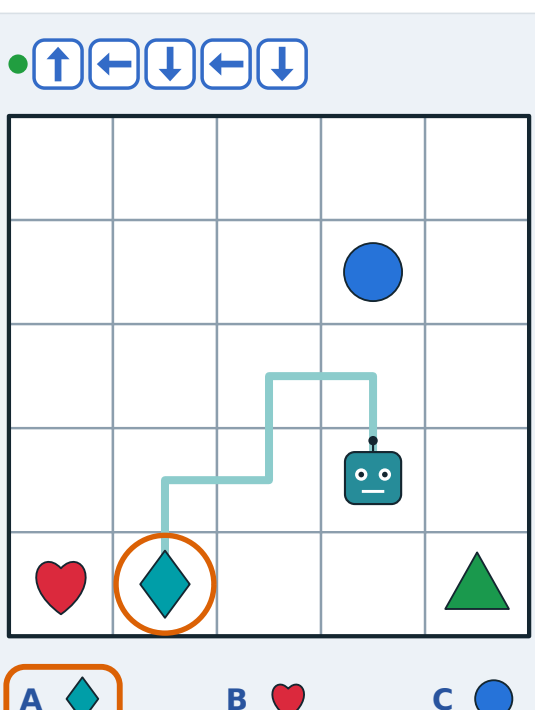
1



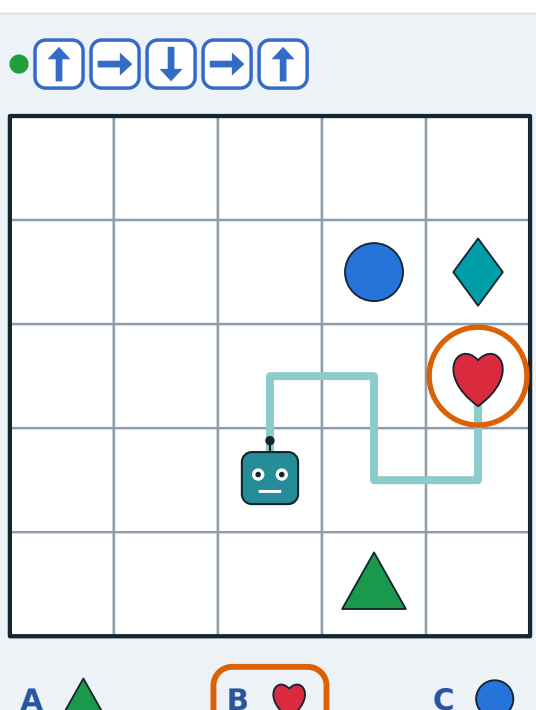
2



3



4



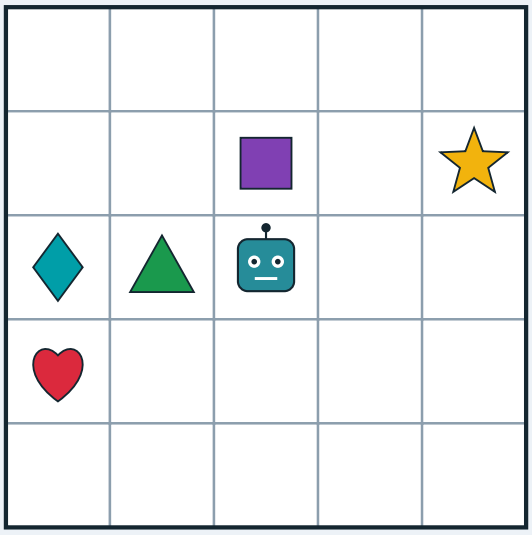
Robot Code

Grade 2 | 2026-11-12 | Worksheet

Start at the green dot and follow the code one command after another. Each arrow moves the robot one box, or as many boxes as the number beside it. Circle the letter of your answer.

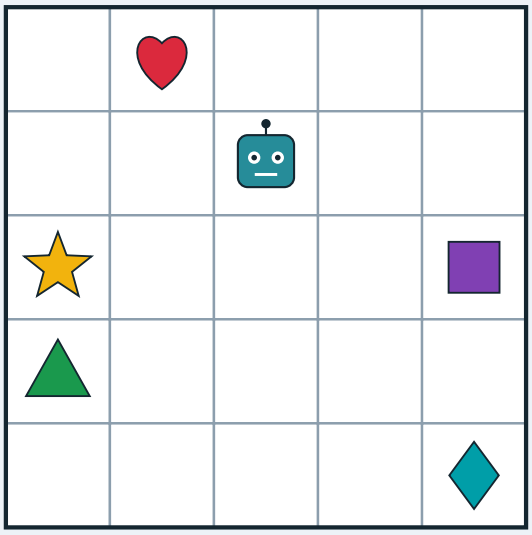
The number beside an arrow tells how many boxes to move that way.

1 ● ↓2 ←2 ↑1



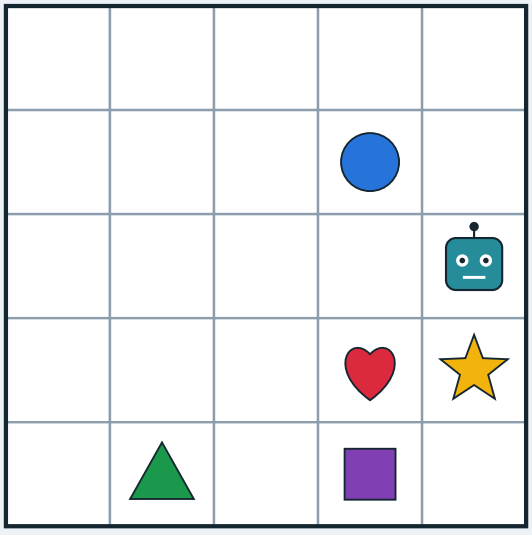
A ■ B ♥ C ▲ D ◆

2 ● →2 ↑1 ←3



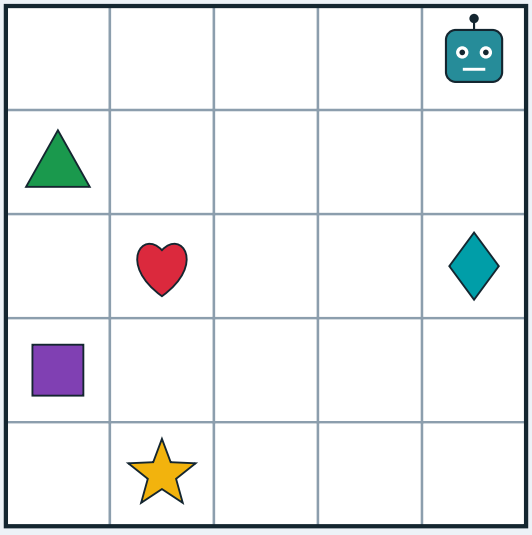
A ■ B ◆ C ▲ D ♥

3 ● ←3 ↑1 →2



A ★ B ■ C ● D ♥

4 ● ←1 ↓3 ←3



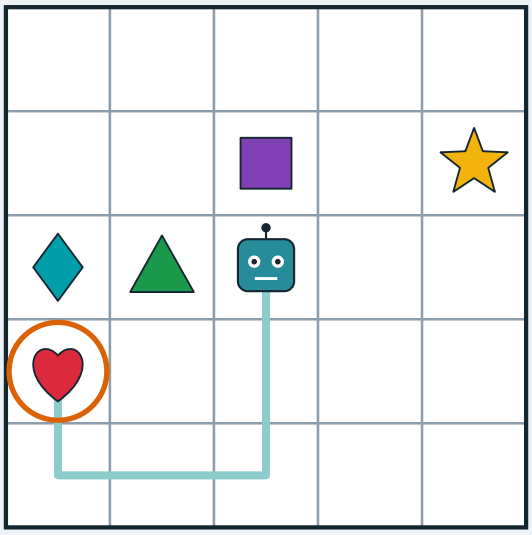
A ◆ B ■ C ★ D ▲

Robot Code

Grade 2 | 2026-11-12 | Answer key

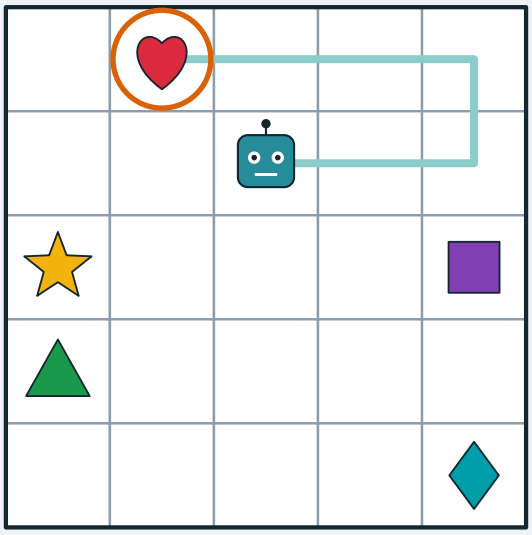
The line shows the robot’s path and the ring marks the answer. Trace the path together, one command after another.

1 ↓2 ←2 ↑1



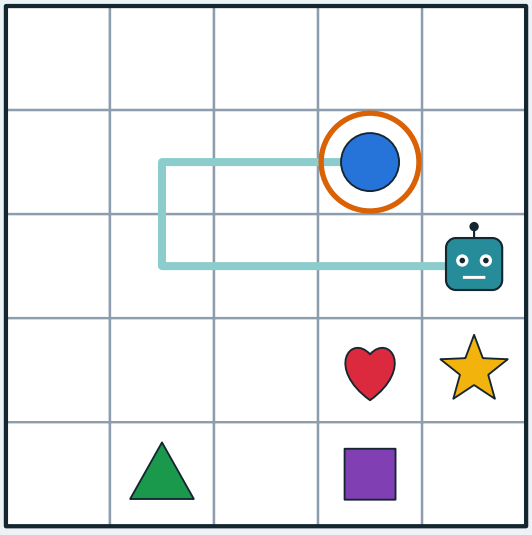
A ■ B ♥ C ▲ D ◆

2 →2 ↑1 ←3



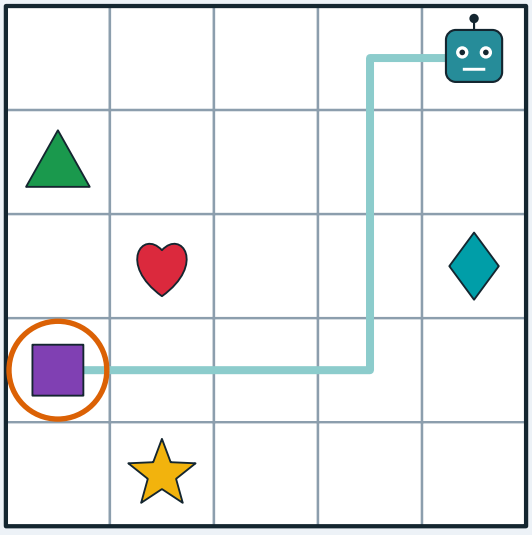
A ■ B ◆ C ▲ D ♥

3 ←3 ↑1 →2



A ★ B ■ C ● D ♥

4 ←1 ↓3 ←3



A ◆ B ■ C ★ D ▲

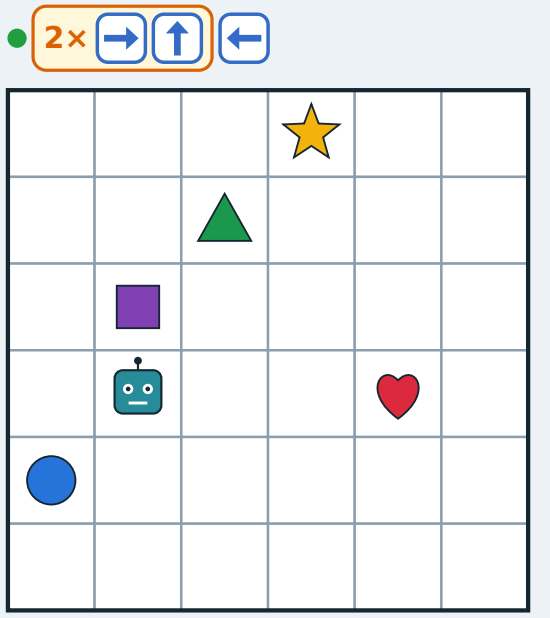
Robot Code

Grade 3 | 2026-11-12 | Worksheet

Start at the green dot and follow the code one command after another. Each arrow moves the robot one box, or as many boxes as the number beside it. Circle the letter of your answer.

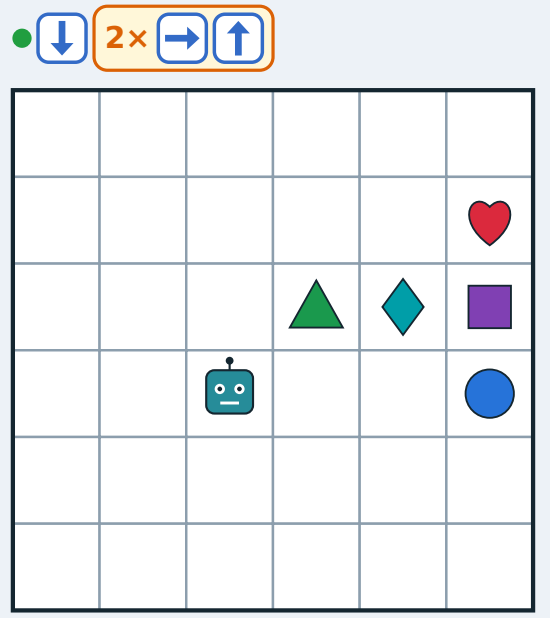
A frame marked 2× or 3× repeats the arrows inside it that many times. Then go on.

1



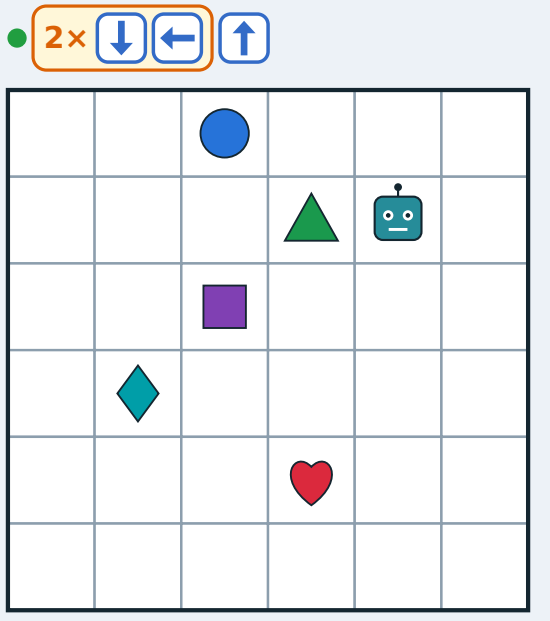
A ♥ B ● C ■ D ▲

2



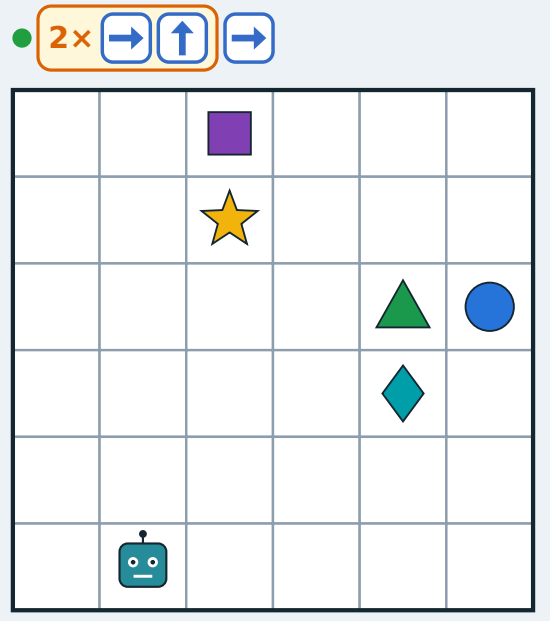
A ▲ B ◆ C ● D ♥

3



A ● B ◆ C ▲ D ■

4



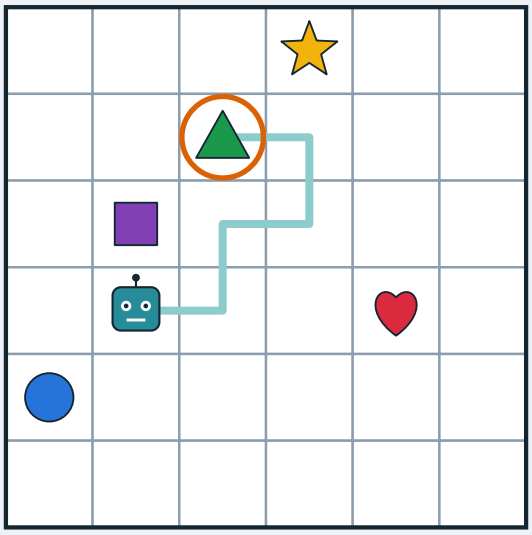
A ■ B ◆ C ▲ D ●

Robot Code

Grade 3 | 2026-11-12 | Answer key

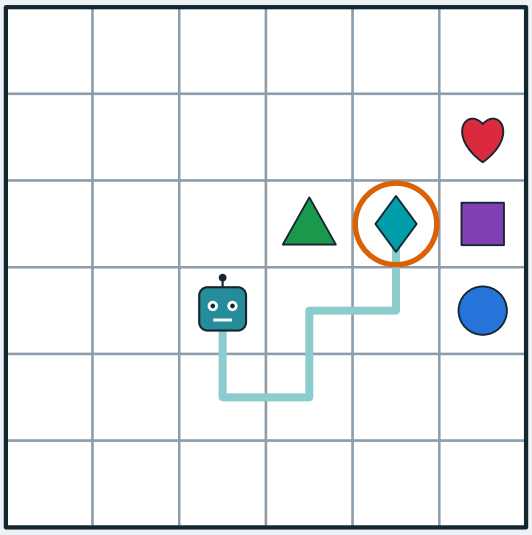
The line shows the robot’s path and the ring marks the answer. Trace the path together, one command after another.

1 ● 2× → ↑ ←



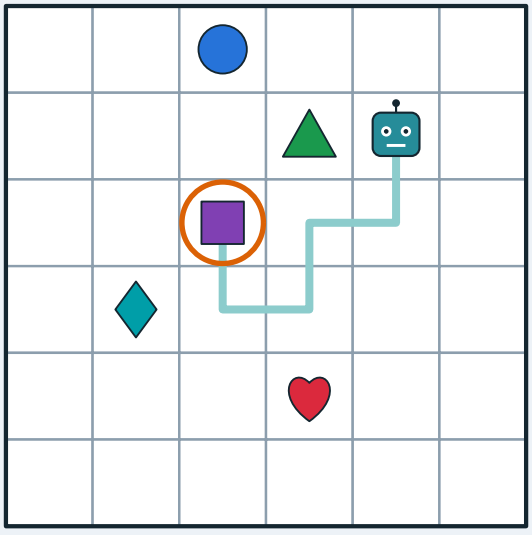
A ♥ B ● C ■ D ▲

2 ● ↓ 2× → ↑



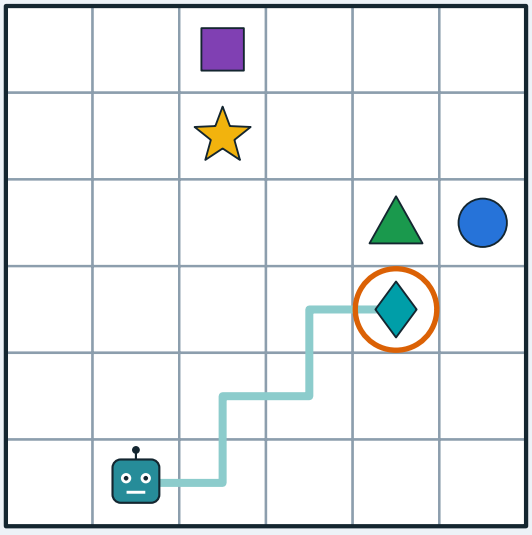
A ▲ B ◆ C ● D ♥

3 ● 2× ↓ ← ↑



A ● B ◆ C ▲ D ■

4 ● 2× → ↑ →



A ■ B ◆ C ▲ D ●

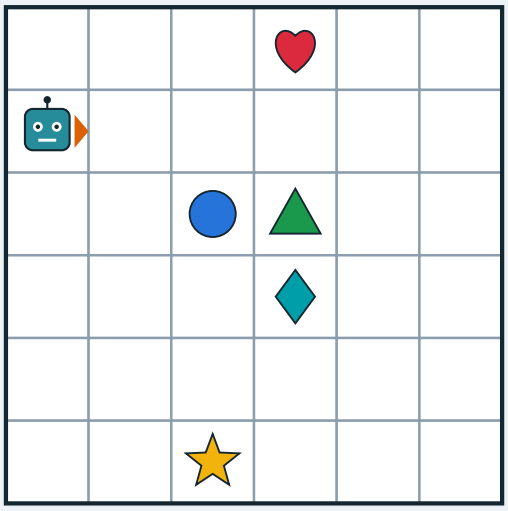
Robot Code

Grade 4 | 2026-11-12 | Worksheet

Start at the green dot and follow the code one command after another. Each arrow moves the robot one box, or as many boxes as the number beside it. Circle the letter of your answer.

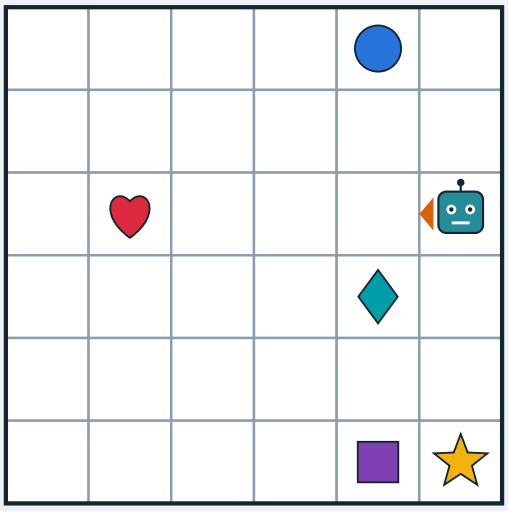
The orange tip shows where the robot faces. Green arrow: move forward that many boxes. Curved arrow: turn left or right on the spot.

1 ● ↱ ↑ 3 ↰ ↑ 3 ↰ ↑ 1



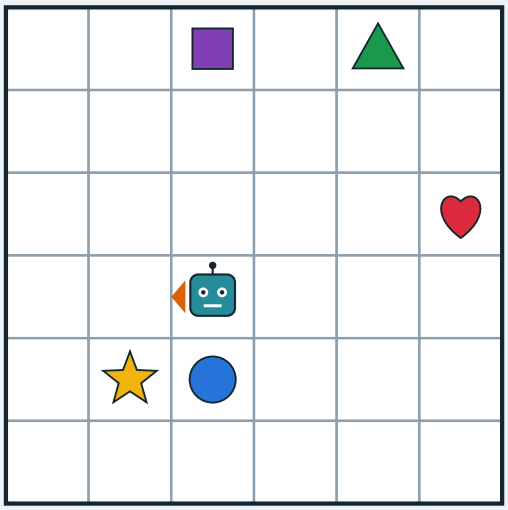
A ◆ B ● C ★ D ▲

2 ● ↑ 2 ↰ ↑ 3 ↰ ↑ 1



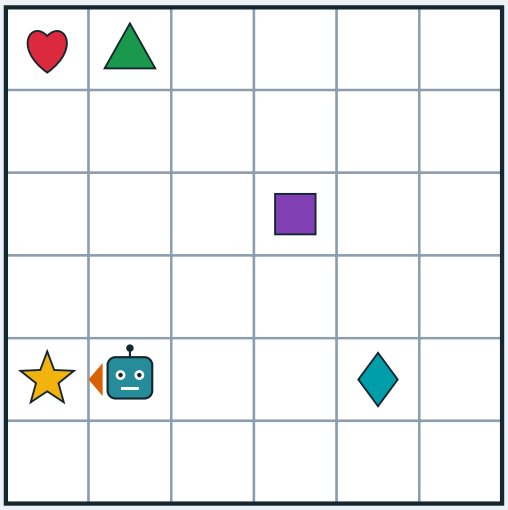
A ★ B ● C ♥ D ■

3 ● ↱ ↑ 1 ↱ ↑ 2 ↰ ↑ 2



A ■ B ★ C ▲ D ●

4 ● ↱ ↑ 3 ↱ ↑ 3 ↱ ↑ 3



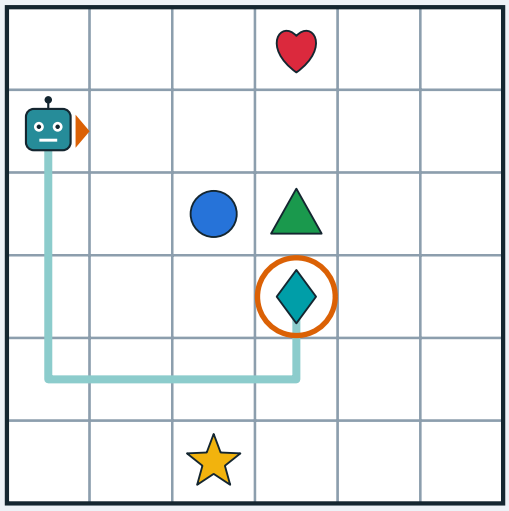
A ♥ B ■ C ▲ D ◆

Robot Code

Grade 4 | 2026-11-12 | Answer key

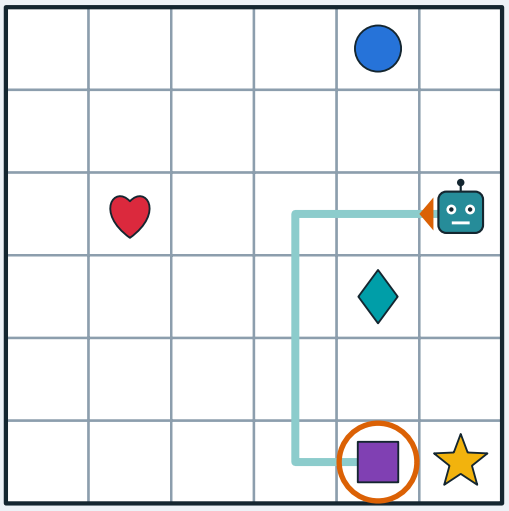
The line shows the robot’s path and the ring marks the answer. Trace the path together, one command after another.

1 ↱ 3 ↰ 3 ↰ 1



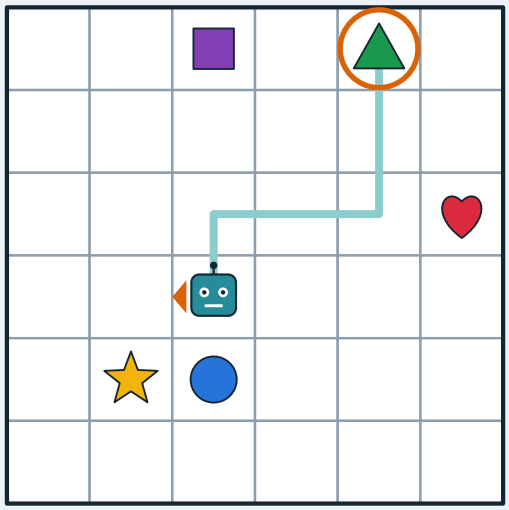
A ◆ B ● C ★ D ▲

2 ↑ 2 ↰ ↑ 3 ↰ ↑ 1



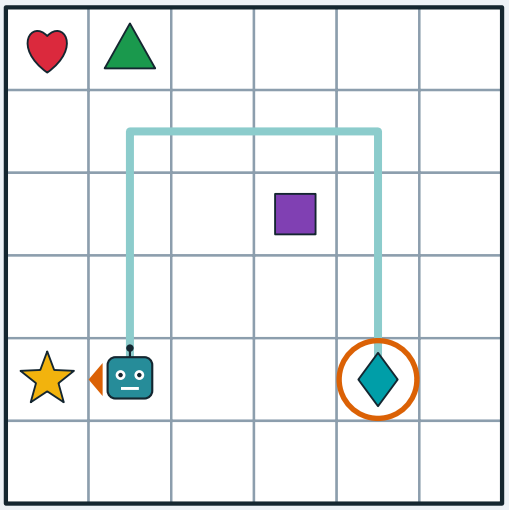
A ★ B ● C ♥ D ■

3 ↱ 1 ↱ 2 ↰ 2



A ■ B ★ C ▲ D ●

4 ↱ 3 ↱ 3 ↱ 3



A ♥ B ■ C ▲ D ◆

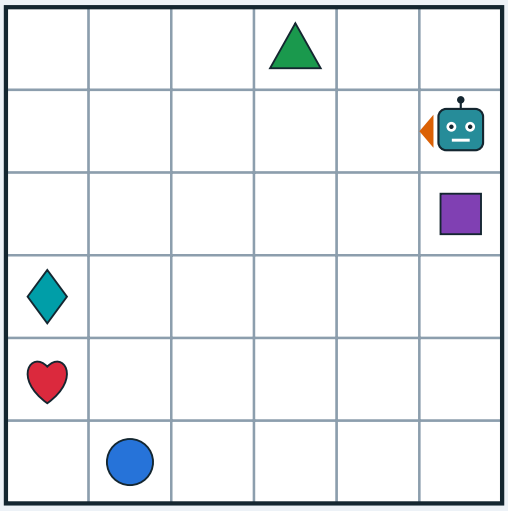
Robot Code

Grade 5 | 2026-11-12 | Worksheet

Start at the green dot and follow the code one command after another. Each arrow moves the robot one box, or as many boxes as the number beside it. Circle the letter of your answer.

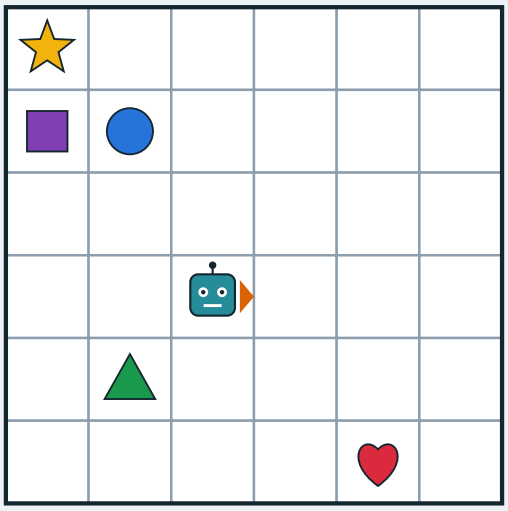
Green arrow: forward. Curved arrow: turn on the spot. The orange tip shows where the robot faces first. A frame marked 2× or 3× repeats.

1 ● ↑ 1 | 3× ↑ 1 ↰ ↑ 1



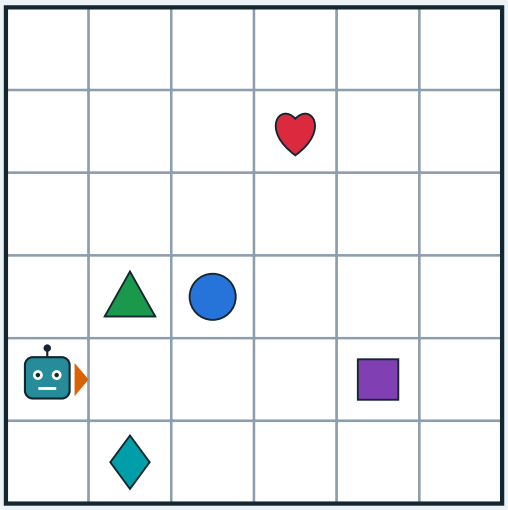
A ▲ B ● C ◆ D ■

2 ● 3× ↑ 2 ↰ ↑ 1



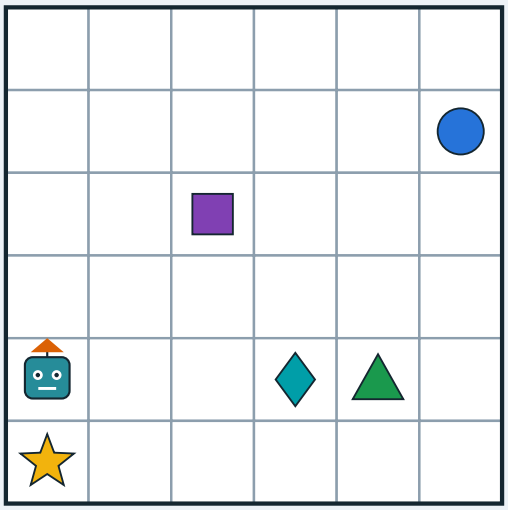
A ● B ■ C ♥ D ★

3 ● ↑ 2 | 2× ↑ 1 ↱ | ↑ 2



A ■ B ▲ C ◆ D ●

4 ● ↑ 2 | 2× ↑ 2 ↱ | ↑ 2



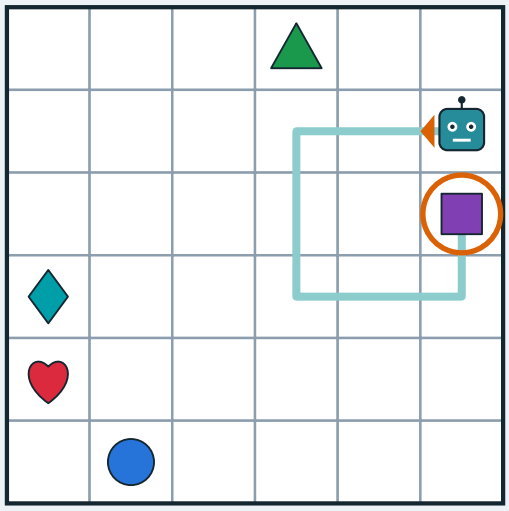
A ■ B ★ C ▲ D ◆

Robot Code

Grade 5 | 2026-11-12 | Answer key

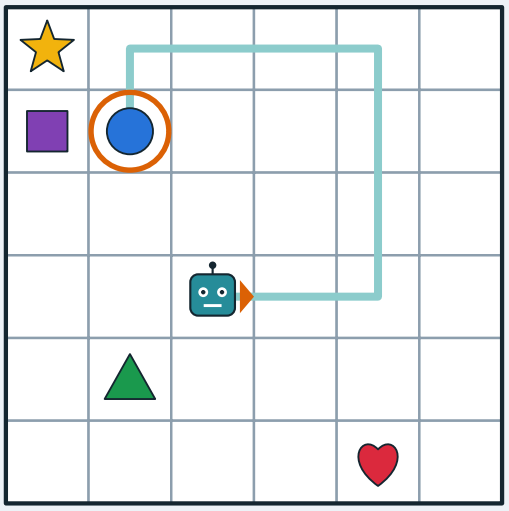
The line shows the robot’s path and the ring marks the answer. Trace the path together, one command after another.

1 ● ↑ 1 | 3× ↑ 1 ↰ ↑ 1



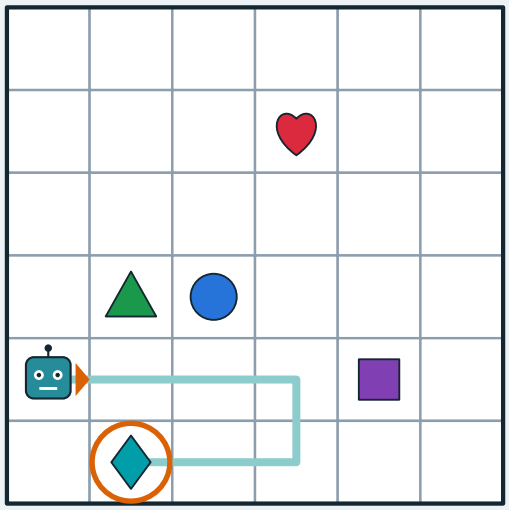
A ▲ B ● C ◆ **D ■**

2 ● 3× ↑ 2 ↰ ↑ 1



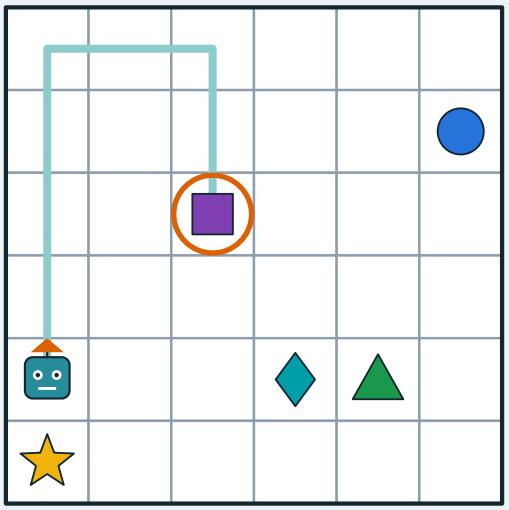
A ● B ■ C ♥ D ★

3 ● ↑ 2 | 2× ↑ 1 ↱ | ↑ 2



A ■ B ▲ **C ◆** D ●

4 ● ↑ 2 | 2× ↑ 2 ↱ | ↑ 2



A ■ B ★ C ▲ D ◆

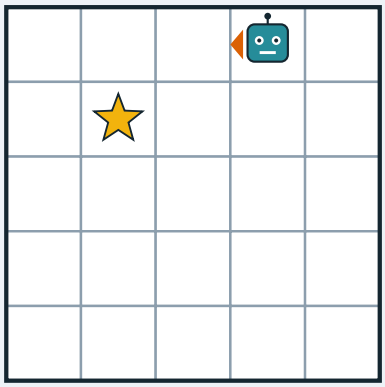
Robot Code

Grade 6 | 2026-11-12 | Worksheet

Start at the green dot and follow the code one command after another. Each arrow moves the robot one box, or as many boxes as the number beside it. Circle the letter of your answer.

Which code stops the robot on the star? The orange tip shows where it faces. Green arrow: forward. Curved arrow: turn on the spot.

1



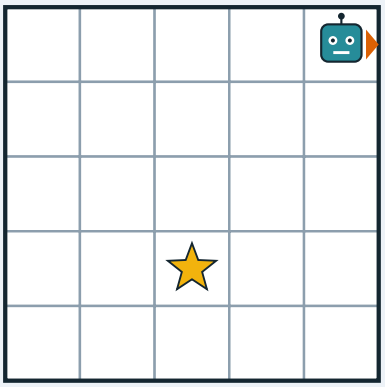
A ● ↰ ↑2 ↱ ↑1

B ● ↰ ↑2 ↱ ↑2

C ● ↰ ↑1 ↱ ↑2

D ● ↰ ↑1 ↱ ↑1

2



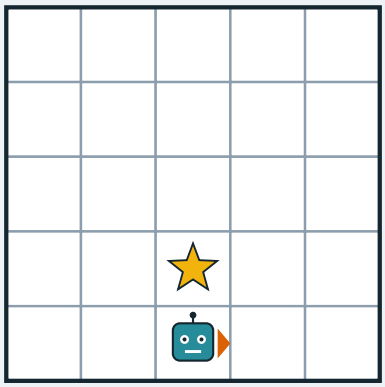
A ● ↱ ↑4 ↱ ↑2

B ● ↱ ↑2 ↱ ↑3

C ● ↱ ↑3 ↱ ↑1

D ● ↱ ↑3 ↱ ↑2

3



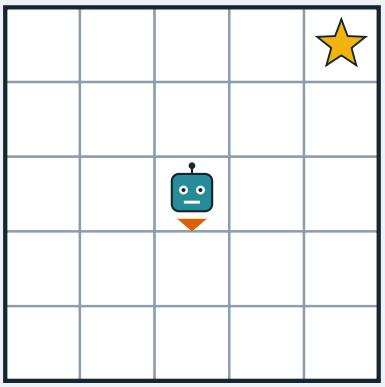
A ● ↑2 ↰ ↑2 ↰ ↑2

B ● ↑2 ↰ ↑1 ↰ ↑2

C ● ↑2 ↰ ↑1 ↰ ↑1

D ● ↑2 ↰ ↑2 ↰ ↑1

4



A ● ↱ ↑2 ↱ ↑2

B ● ↰ ↑1 ↰ ↑2

C ● ↰ ↑2 ↰ ↑1

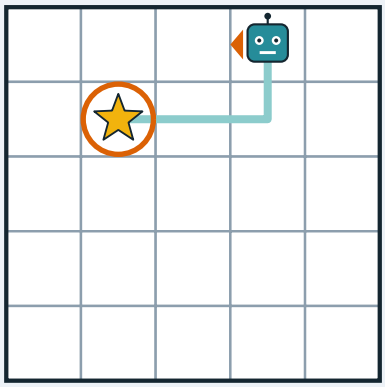
D ● ↰ ↑2 ↰ ↑2

Robot Code

Grade 6 | 2026-11-12 | Answer key

The line shows the robot’s path and the ring marks the answer. Trace the path together, one command after another.

1



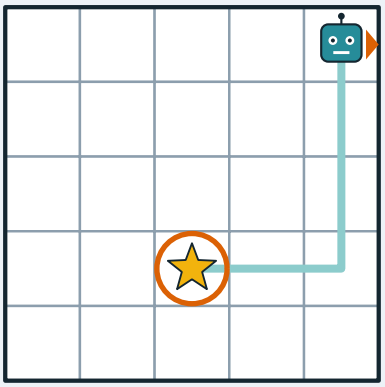
A ● ↰ ↑2 ↱ ↑1

B ● ↰ ↑2 ↱ ↑2

C ● ↰ ↑1 ↱ ↑2

D ● ↰ ↑1 ↱ ↑1

2



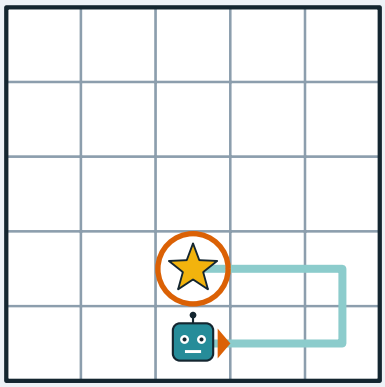
A ● ↱ ↑4 ↱ ↑2

B ● ↱ ↑2 ↱ ↑3

C ● ↱ ↑3 ↱ ↑1

D ● ↱ ↑3 ↱ ↑2

3



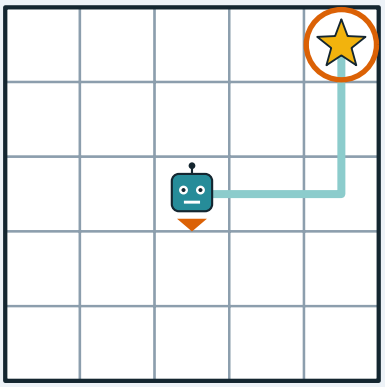
A ● ↑2 ↰ ↑2 ↰ ↑2

B ● ↑2 ↰ ↑1 ↰ ↑2

C ● ↑2 ↰ ↑1 ↰ ↑1

D ● ↑2 ↰ ↑2 ↰ ↑1

4



A ● ↱ ↑2 ↱ ↑2

B ● ↰ ↑1 ↰ ↑2

C ● ↰ ↑2 ↰ ↑1

D ● ↰ ↑2 ↰ ↑2

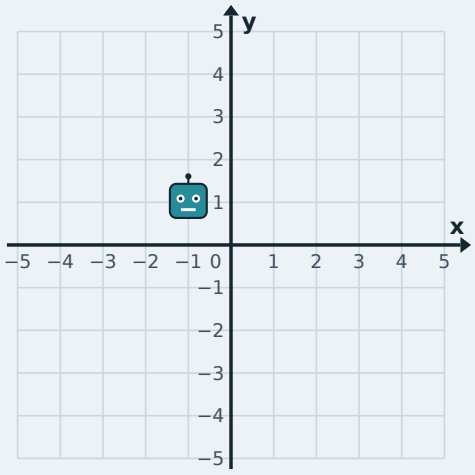
Robot Code

Grade 7 | 2026-11-12 | Worksheet

Start at the green dot and follow the code one command after another. Each arrow moves the robot one box, or as many boxes as the number beside it. Circle the letter of your answer.

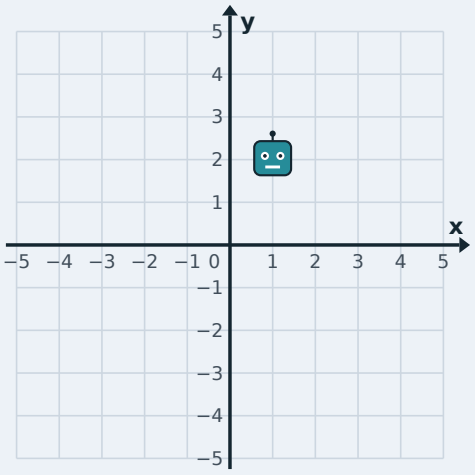
The robot starts on a point. Arrows move it along the lines; a frame marked 2× or 3× repeats. On which point (x, y) does it stop?

1 ● → 2 | 2× ↓ 2 ← 1



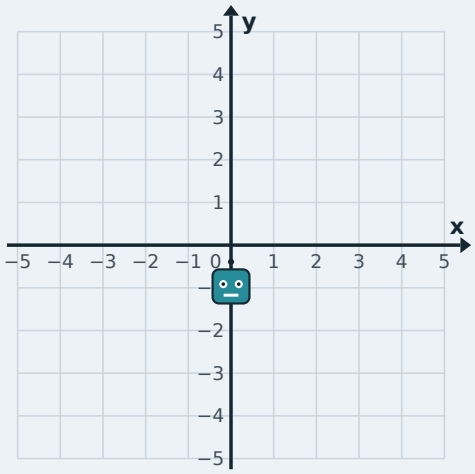
A (−2, −5) B (−1, −3)
C (1, 1) D (0, −1)

2 ● ↓ 2 | 2× → 1 ↓ 1



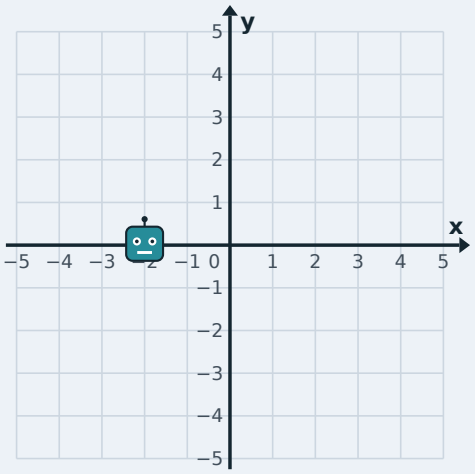
A (4, −3) B (3, −2)
C (2, −1) D (1, 0)

3 ● ↑ 2 | 2× → 2 ↓ 2



A (0, 1) B (4, −3)
C (−3, 4) D (2, −1)

4 ● 2× ↓ 1 → 1 | ↑ 2



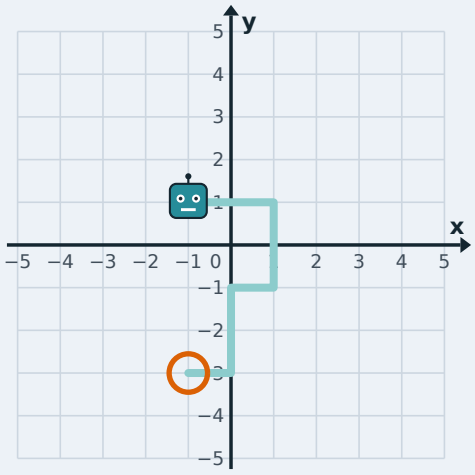
A (−1, 1) B (1, −1)
C (0, 0) D (0, −2)

Robot Code

Grade 7 | 2026-11-12 | Answer key

The line shows the robot’s path and the ring marks the answer. Trace the path together, one command after another.

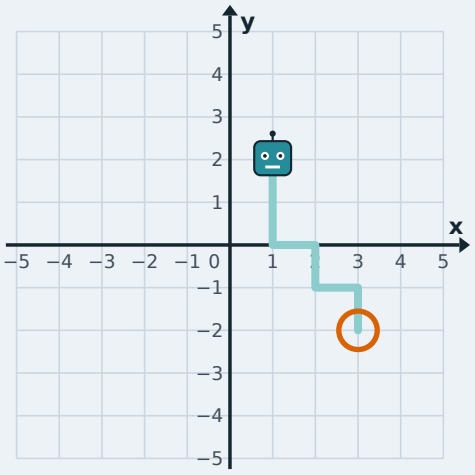
1 → 2, 2× (↓ 2, ← 1)



A (−2, −5) B (−1, −3)

C (1, 1) D (0, −1)

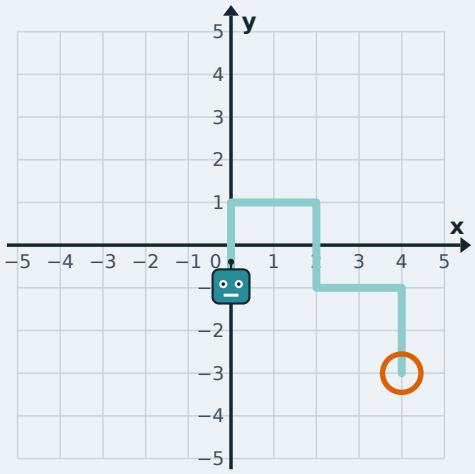
2 ↓ 2, 2× (→ 1, ↓ 1)



A (4, −3) B (3, −2)

C (2, −1) D (1, 0)

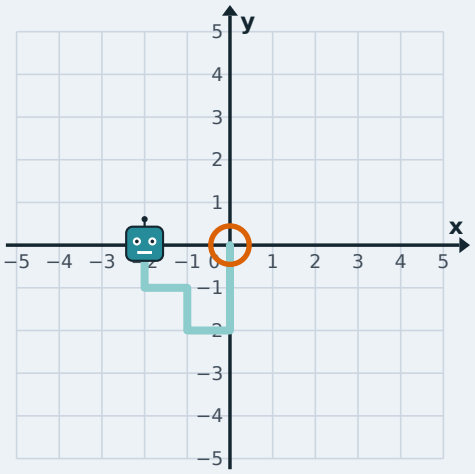
3 ↑ 2, 2× (→ 2, ↓ 2)



A (0, 1) B (4, −3)

C (−3, 4) D (2, −1)

4 2× (↓ 1, → 1), ↑ 2



A (−1, 1) B (1, −1)

C (0, 0) D (0, −2)

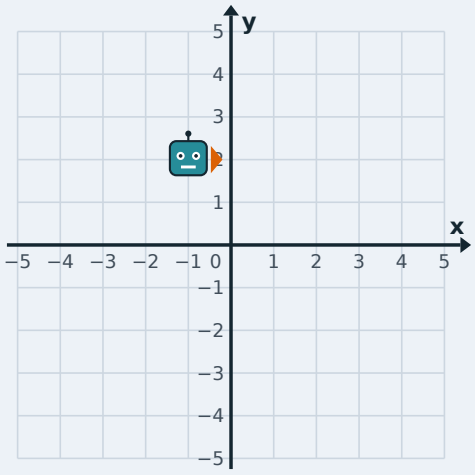
Robot Code

Grade 8 | 2026-11-12 | Worksheet

Start at the green dot and follow the code one command after another. Each arrow moves the robot one box, or as many boxes as the number beside it. Circle the letter of your answer.

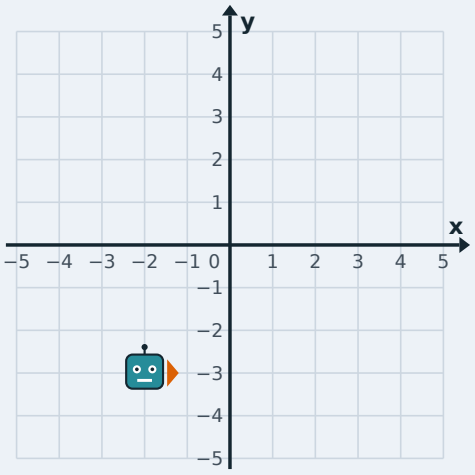
The orange tip shows where the robot faces. Green arrow: forward; curved arrow: turn; a frame repeats. On which point (x, y) does it stop?

1 ● 2× ↑ 1 ↱ ↑ 1 ↰



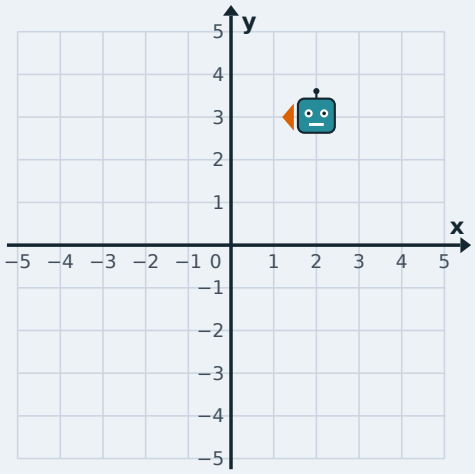
A (1, 0) B (1, 4)
C (0, 1) D (2, −1)

2 ● 2× ↑ 1 ↱ ↑ 1 ↰



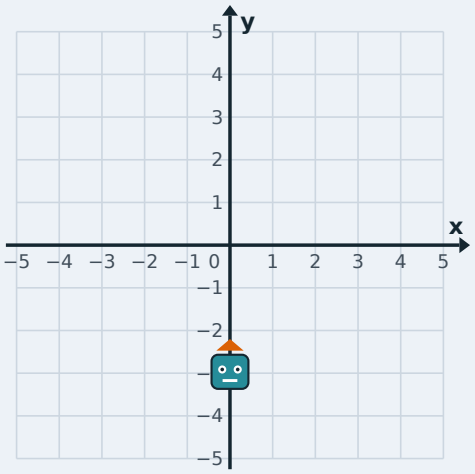
A (−5, 0) B (0, −5)
C (0, −1) D (−1, −4)

3 ● ↑ 1 ↰ 3× ↑ 1 ↰ ↑ 1 ↱



A (3, 1) B (5, −1)
C (1, 3) D (4, 0)

4 ● 2× ↑ 3 ↱ ↑ 2 ↰



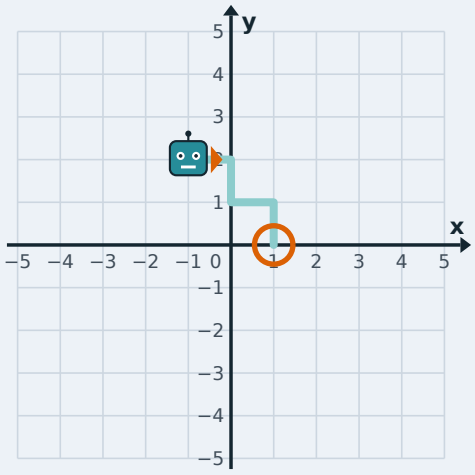
A (3, 4) B (4, 3)
C (−4, 3) D (2, 0)

Robot Code

Grade 8 | 2026-11-12 | Answer key

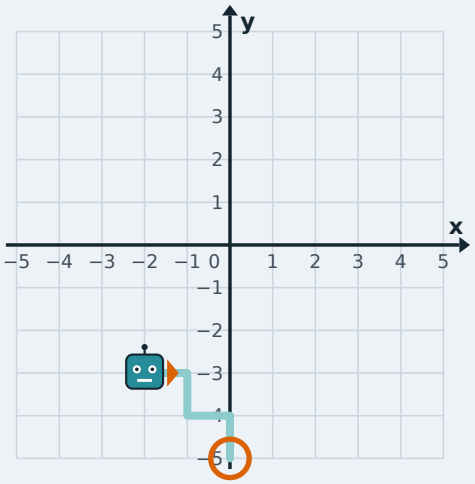
The line shows the robot’s path and the ring marks the answer. Trace the path together, one command after another.

1 ● 2× ↑ 1 ↱ ↑ 1 ↰



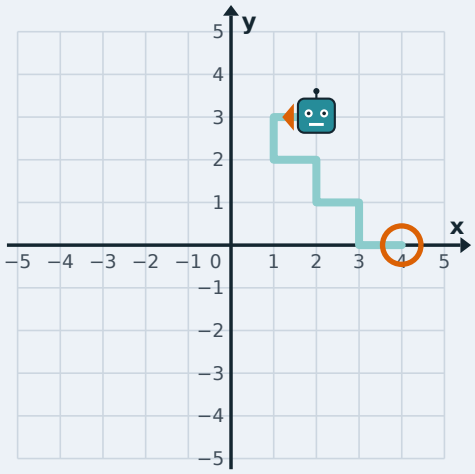
A (1, 0) **B** (1, 4)
C (0, 1) **D** (2, −1)

2 ● 2× ↑ 1 ↱ ↑ 1 ↰



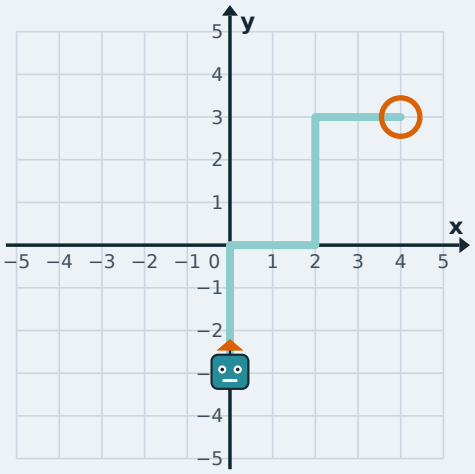
A (−5, 0) **B** (0, −5)
C (0, −1) **D** (−1, −4)

3 ● ↑ 1 ↰ 3× ↑ 1 ↰ ↑ 1 ↱



A (3, 1) **B** (5, −1)
C (1, 3) **D** (4, 0)

4 ● 2× ↑ 3 ↱ ↑ 2 ↰



A (3, 4) **B** (4, 3)
C (−4, 3) **D** (2, 0)