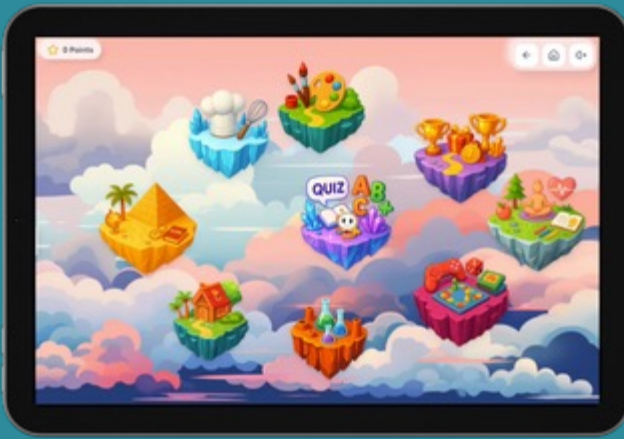


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Dazzling Directions - Year 1

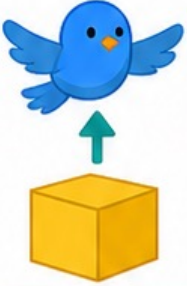
Table of Contents	
Presentation: Dazzling Directions	
Display: Direction Words for Moving and Positioning	
Activity: Human Robot Direction Cards	
Game: Treasure Trail	
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Worksheet 2: Robot Steps	
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Worksheet 4: Follow Sunny Street	
Worksheet 5: Dot-Grid Pathways	
Quiz: Dazzling Directions	
Assessment: Garden Rescue Directions	
Rubric: Dazzling Directions Rubric	



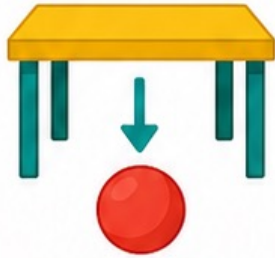
DIRECTION WORDS

POSITION

above



below



next to



between



inside



outside



in front of



behind



MOVE

forward



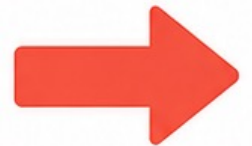
backward



left



right



TURN

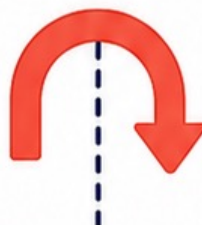
clockwise



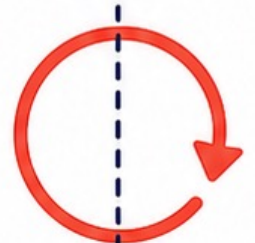
anticlockwise



half turn



full turn



HUMAN ROBOT DIRECTION CARDS

Cut out the cards. Build a route for your partner to follow.

START



STOP



FORWARD 1



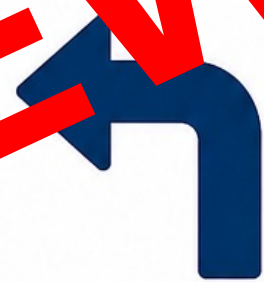
FORWARD 2



BACKWARD 1



TURN LEFT



TURN RIGHT



HALF TURN



FULL TURN



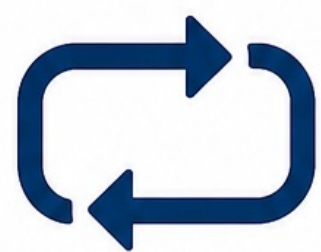
CLOCKWISE



ANTICLOCKWISE



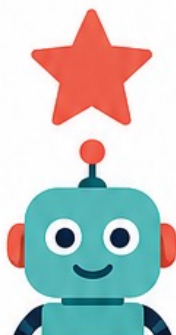
REPEAT



HUMAN ROBOT POSITION CARDS

Choose a card. Place an object or person in that position.

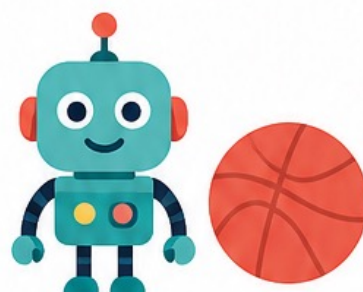
ABOVE



BELOW



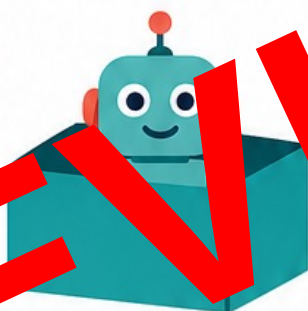
NEXT TO



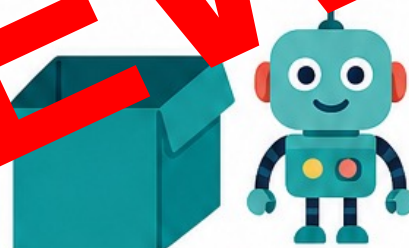
BETWEEN



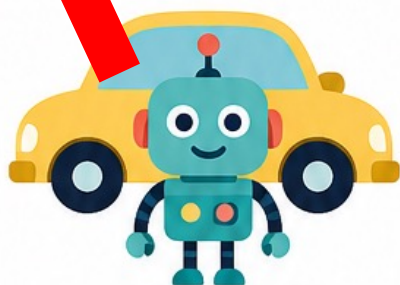
INSIDE



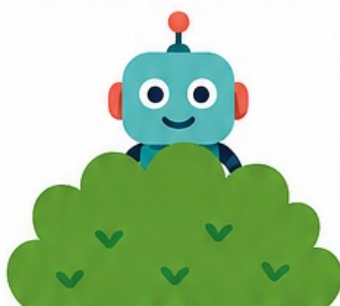
OUTSIDE



IN FRONT OF



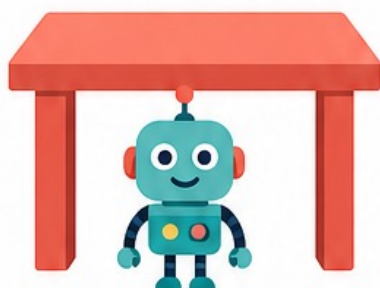
BEHIND



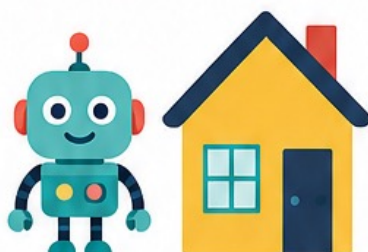
ON TOP OF



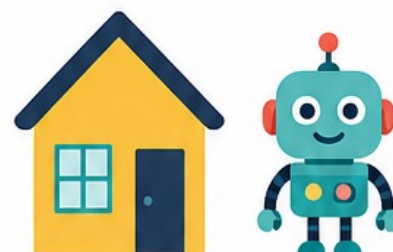
UNDER



LEFT OF



RIGHT OF



TREASURE TRAIL



TREASURE TRAIL CARDS

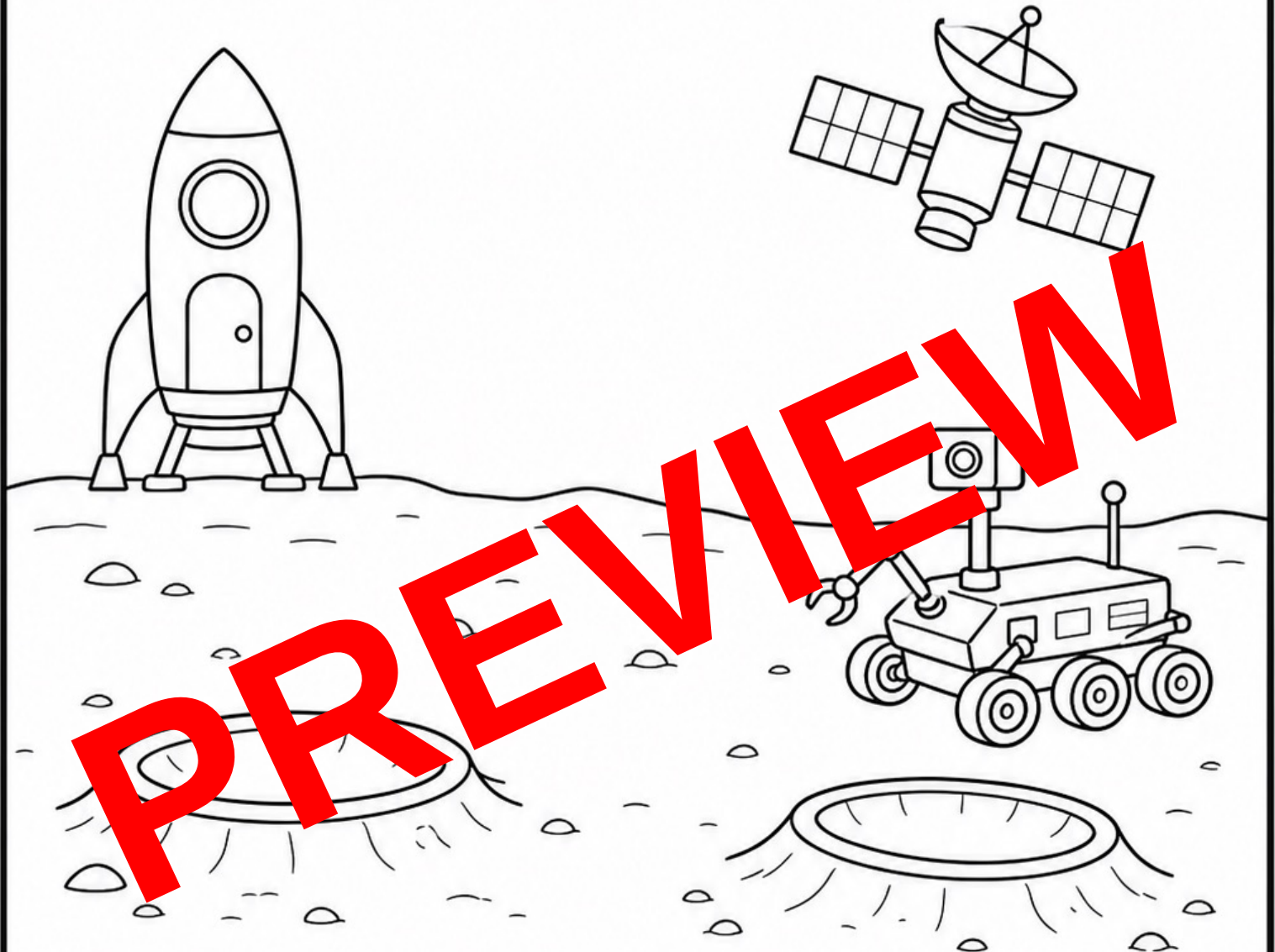
1. Put a counter on START.
2. Draw a card.
3. Follow the direction.
4. First to TREASURE wins.



POSITION WORDS - SPACE STATION

Name: _____

Follow each direction. Draw the object in the correct place.

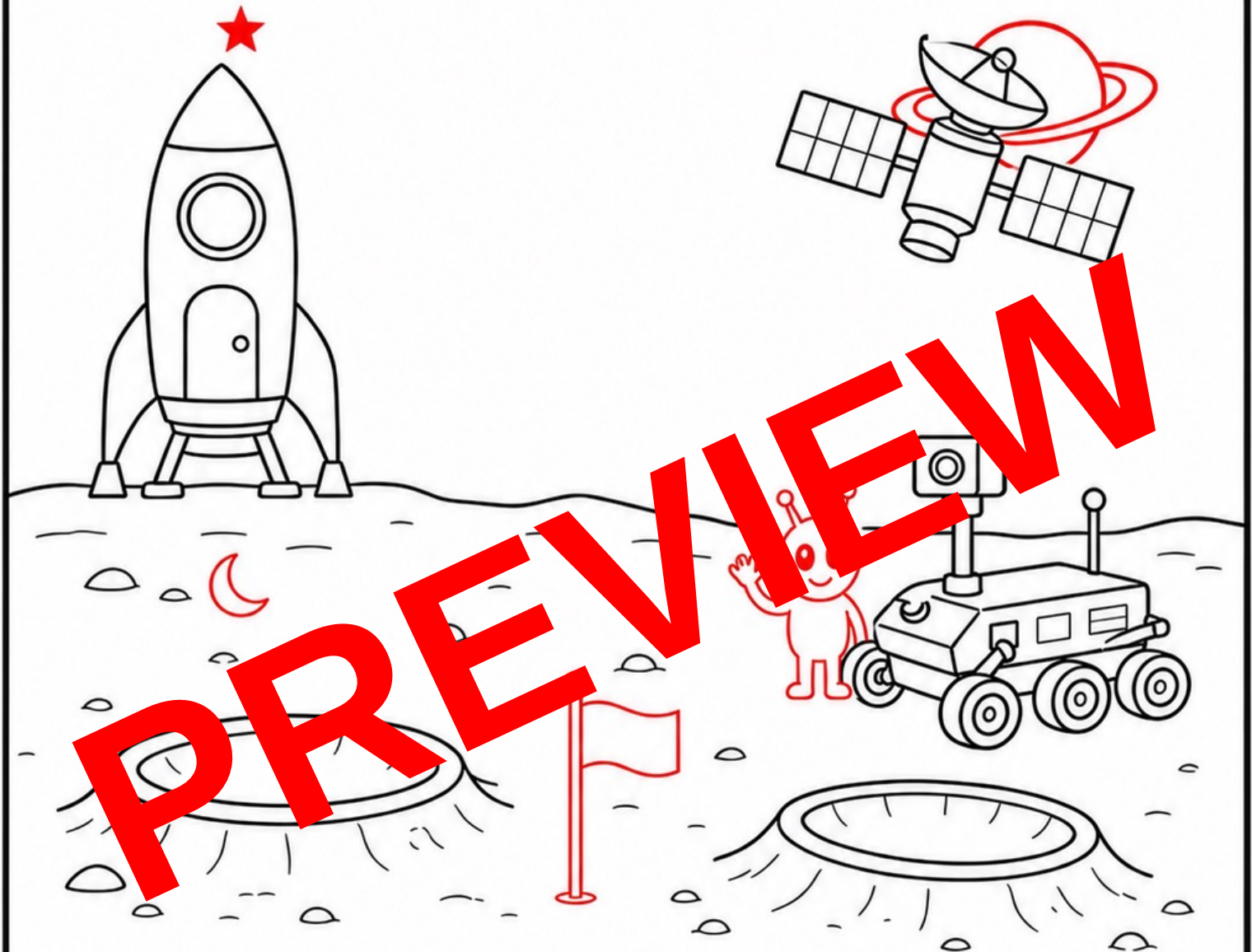


1. Draw a small star above the rocket.
2. Draw a moon below the rocket.
3. Draw an alien next to the rover.
4. Draw a flag between the two craters.
5. Draw a planet behind the satellite.

POSITION WORDS - SPACE STATION

Name: ANSWERS

Follow each direction. Draw the object in the correct place.



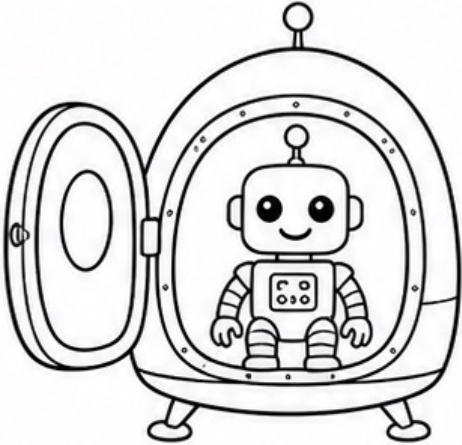
1. Draw a small star above the rocket.
2. Draw a moon below the rocket.
3. Draw an alien next to the rover.
4. Draw a flag between the two craters.
5. Draw a planet behind the satellite.

POSITION WORDS - CHOOSE THE WORD

Name: _____

above • below • between • next to • inside • outside

1.



The robot is _____ the space pod.

2.



The comet is _____ the planet.

3.



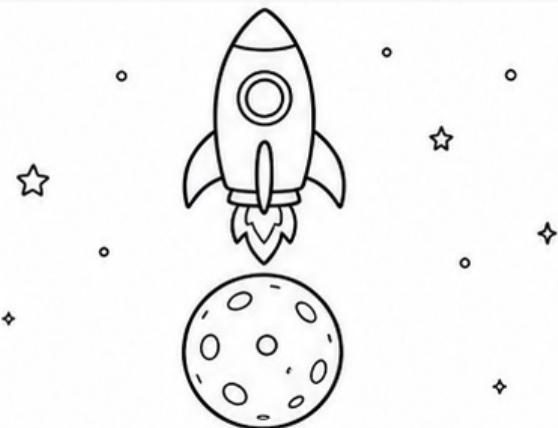
The rover is _____ the two rocks.

4.



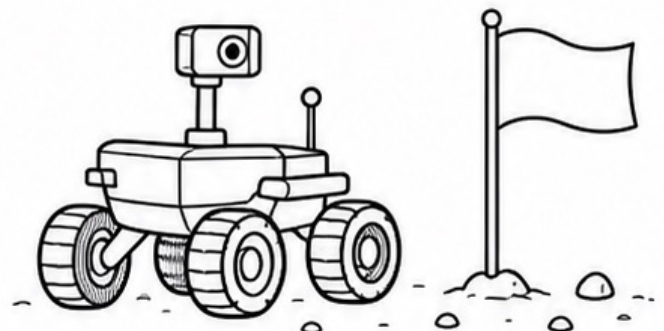
The alien is _____ the crater.

5.



The moon is _____ the rocket.

6.



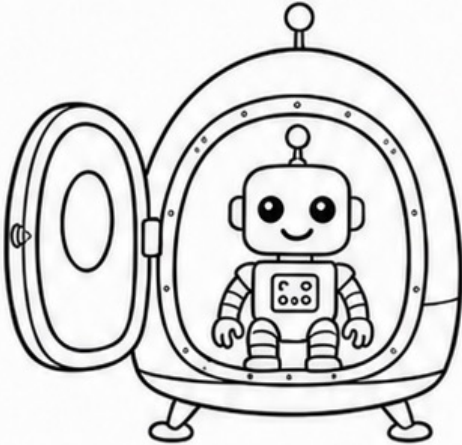
The flag is _____ the rover.

POSITION WORDS - CHOOSE THE WORD

Name: ANSWERS

above • below • between • next to • inside • outside

1.



The robot is **inside** the space pod.

2.



The comet is **above** the planet.

3.



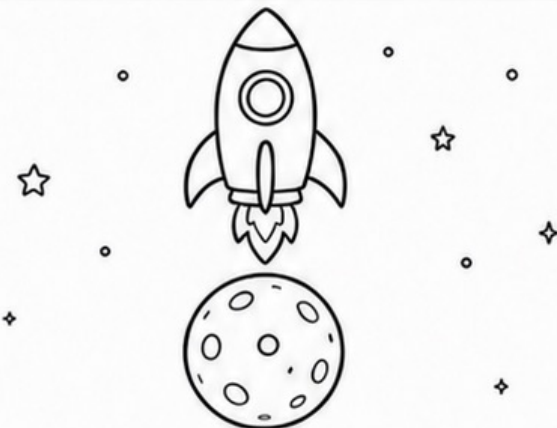
The rover is **between** the two rocks.

4.



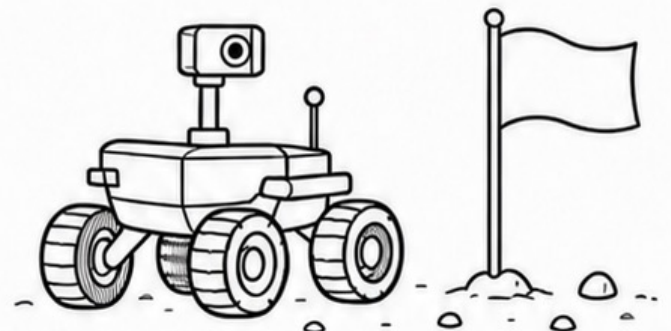
The alien is **outside** the crater.

5.



The moon is **below** the rocket.

6.

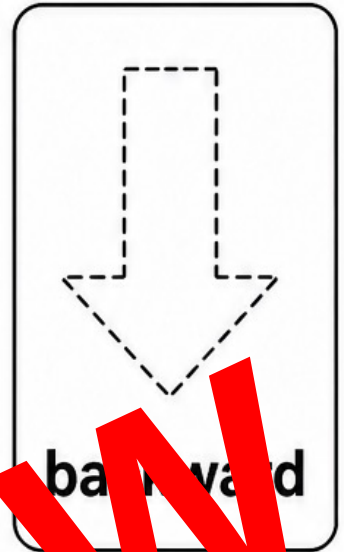
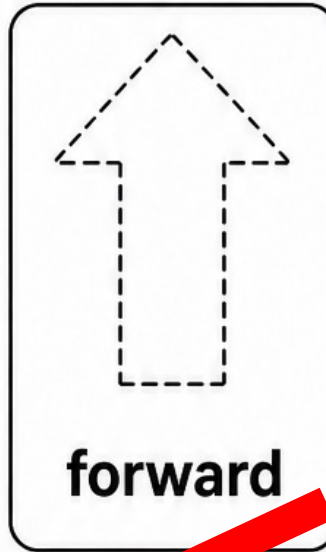
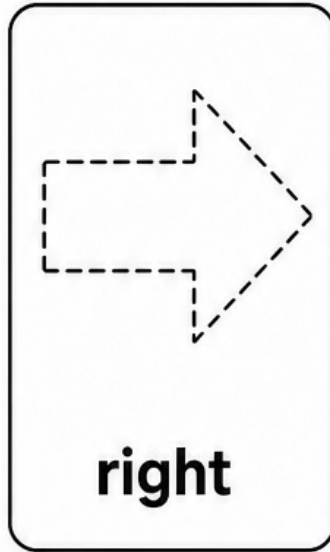
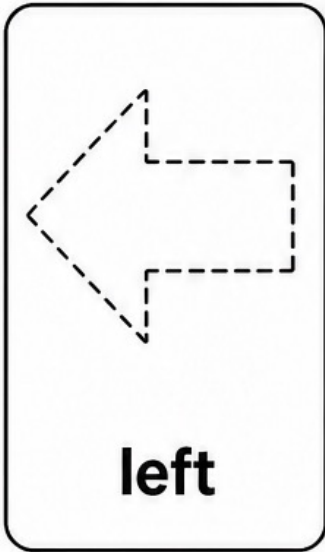


The flag is **next to** the rover.

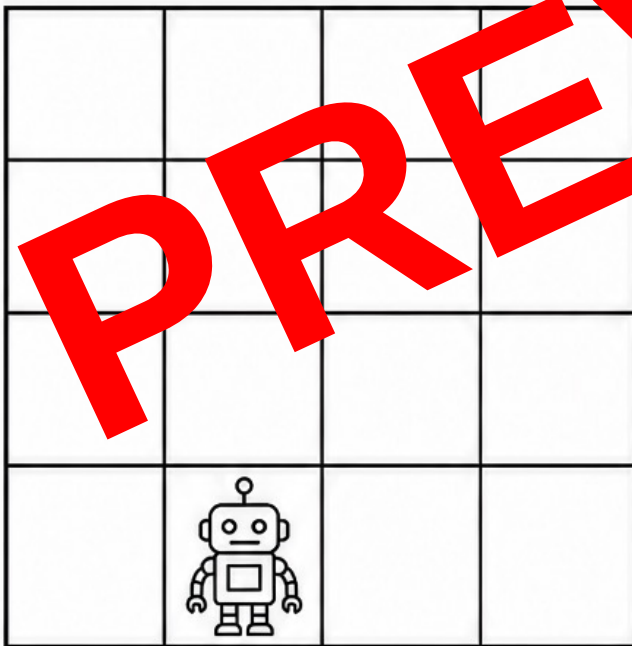
ROBOT STEPS - ONE MOVE AT A TIME

Name: _____

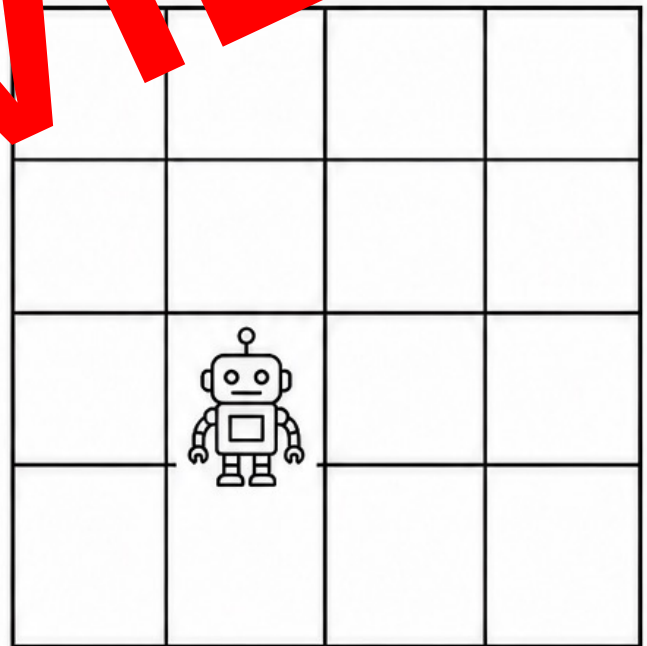
Trace each arrow. Then show where the robot will finish.



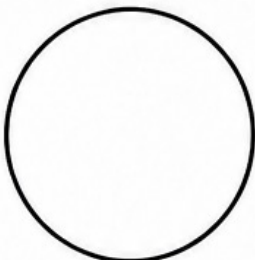
Grid A



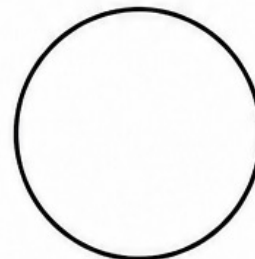
Grid B



Move 2 squares forward.



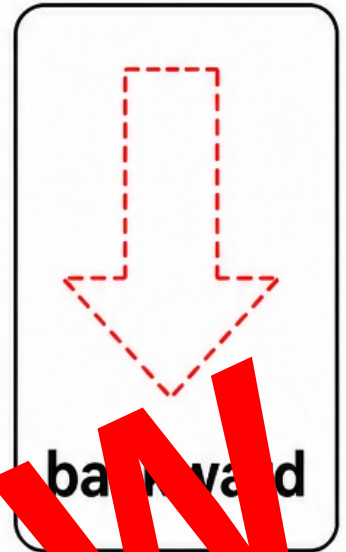
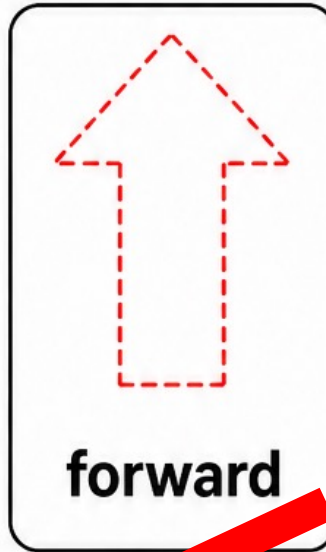
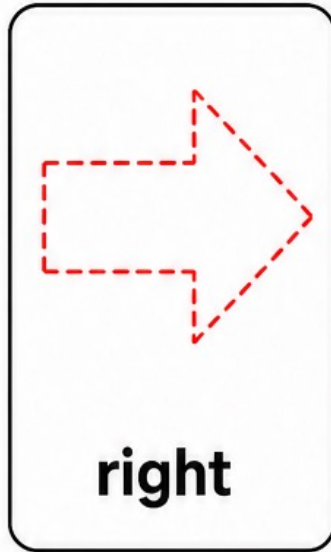
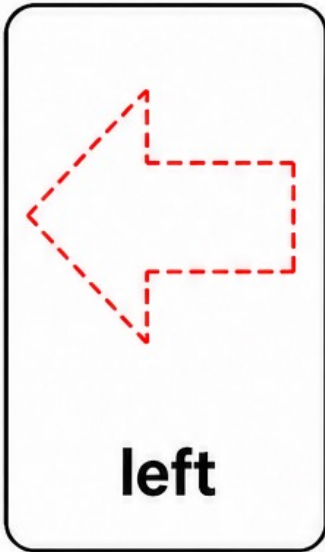
Move 1 square backward,
then 2 squares right.



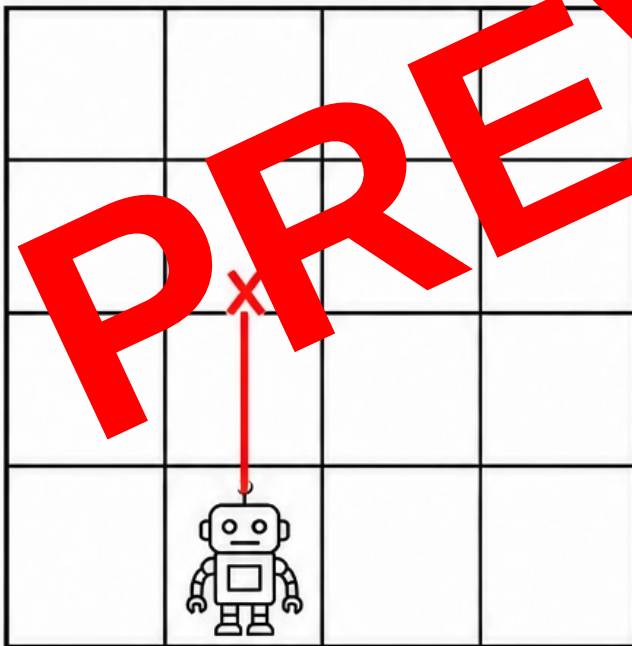
ROBOT STEPS – ONE MOVE AT A TIME

Name: ANSWERS

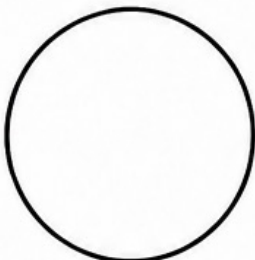
Trace each arrow. Then show where the robot will finish.



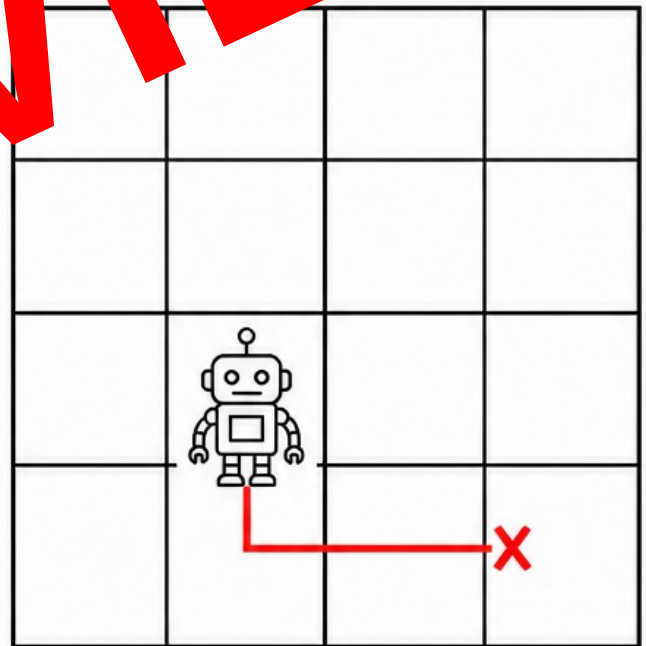
Grid A



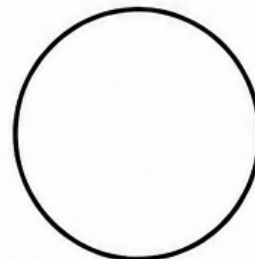
Move 2 squares forward.



Grid B



Move 1 square backward,
then 2 squares right.

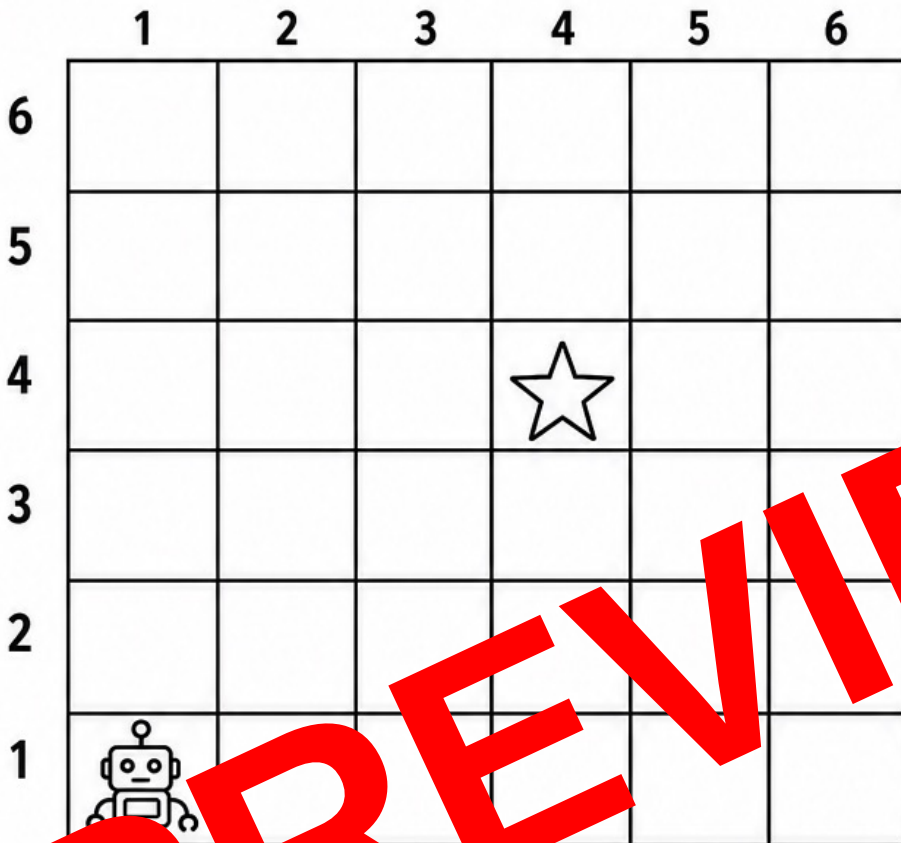


ROBOT STEPS - FOLLOW THE CODE

Name: _____

Start at the robot. Draw each route. Stop on the star.

Route A



forward 2

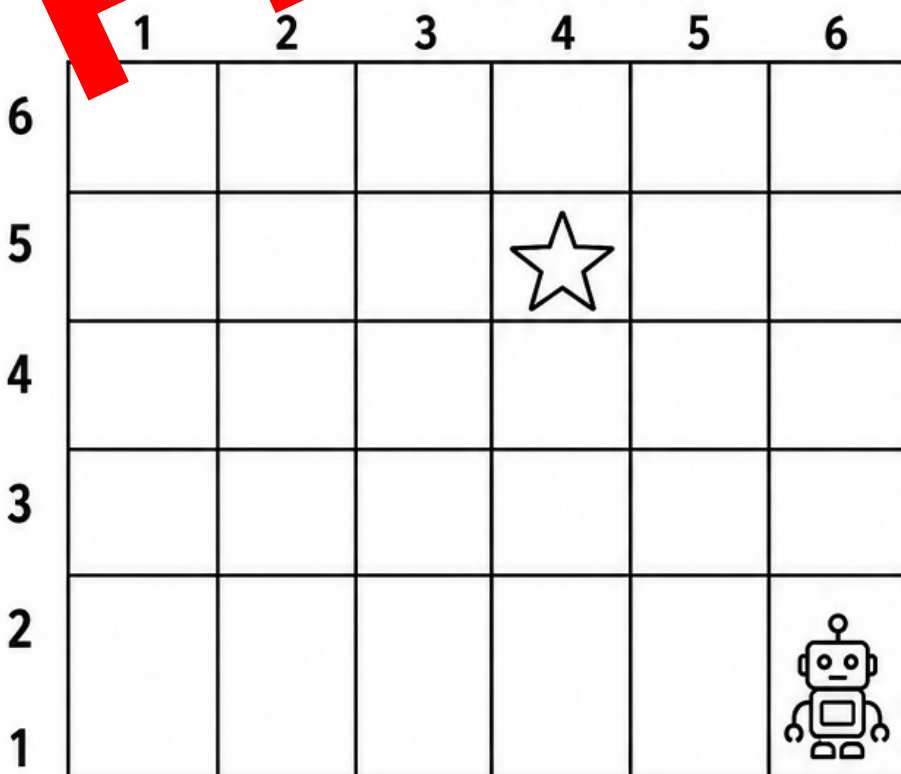
•
turn right

•
forward 3

•
turn left

•
forward 1

Route B



forward 1

•
turn left

•
forward 2

•
turn right

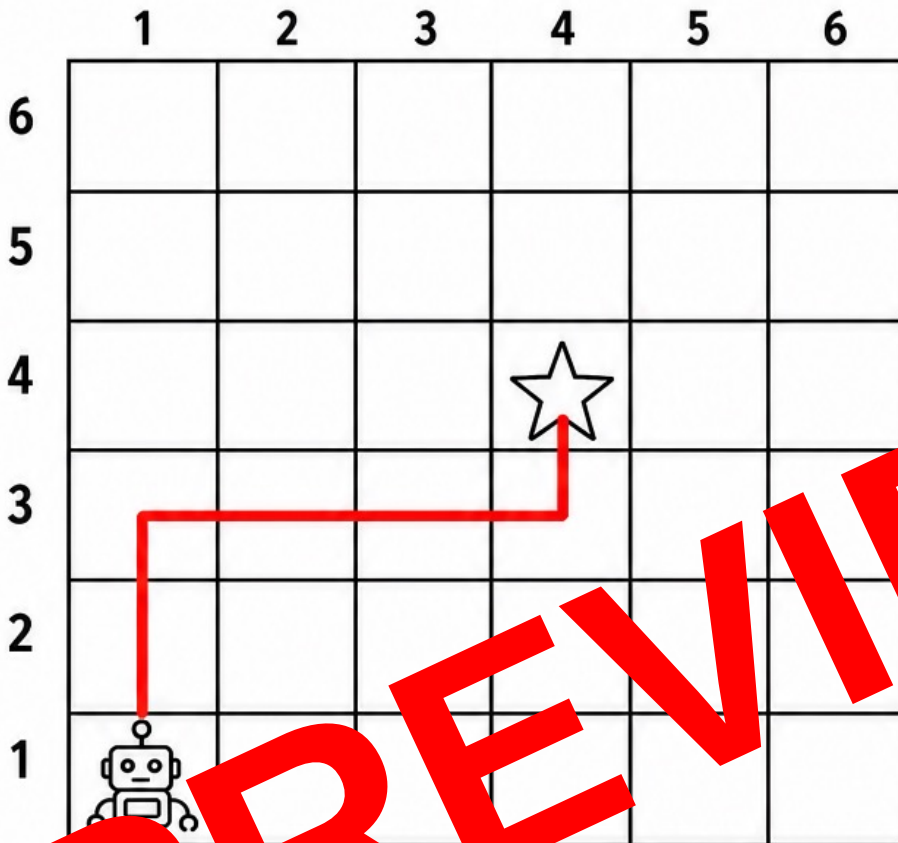
•
forward 3

ROBOT STEPS - FOLLOW THE CODE

Name: ANSWERS

Start at the robot. Draw each route. Stop on the star.

Route A



forward 2

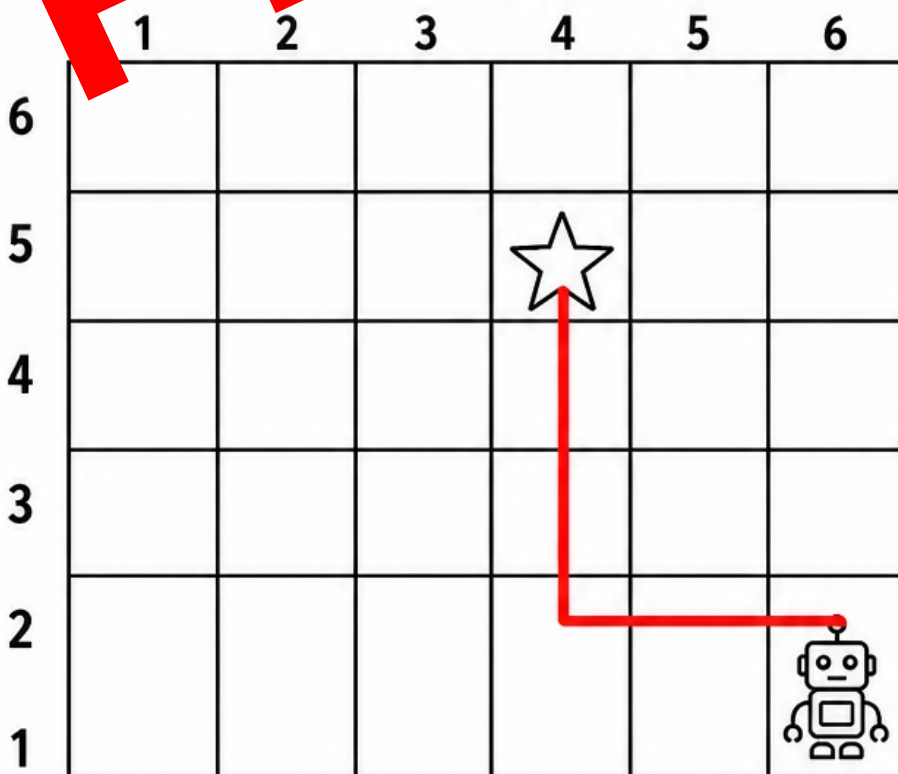
•
turn right

•
forward 3

•
turn left

•
forward 1

Route B



forward 1

•
turn left

•
forward 2

•
turn right

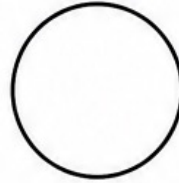
•
forward 3

TURN IT AROUND

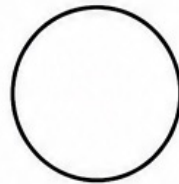
Name: _____

Draw the arrow after each turn. Then circle the correct turn word.

1. half turn clockwise



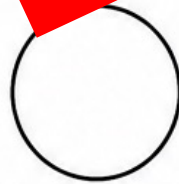
2. half turn anticlockwise



3. full turn clockwise



4. full turn anticlockwise



5.



clockwise

anticlockwise

6.



clockwise

anticlockwise

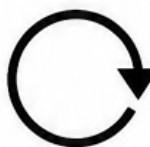
7.



half turn

full turn

8.



half turn

full turn

TURN IT AROUND

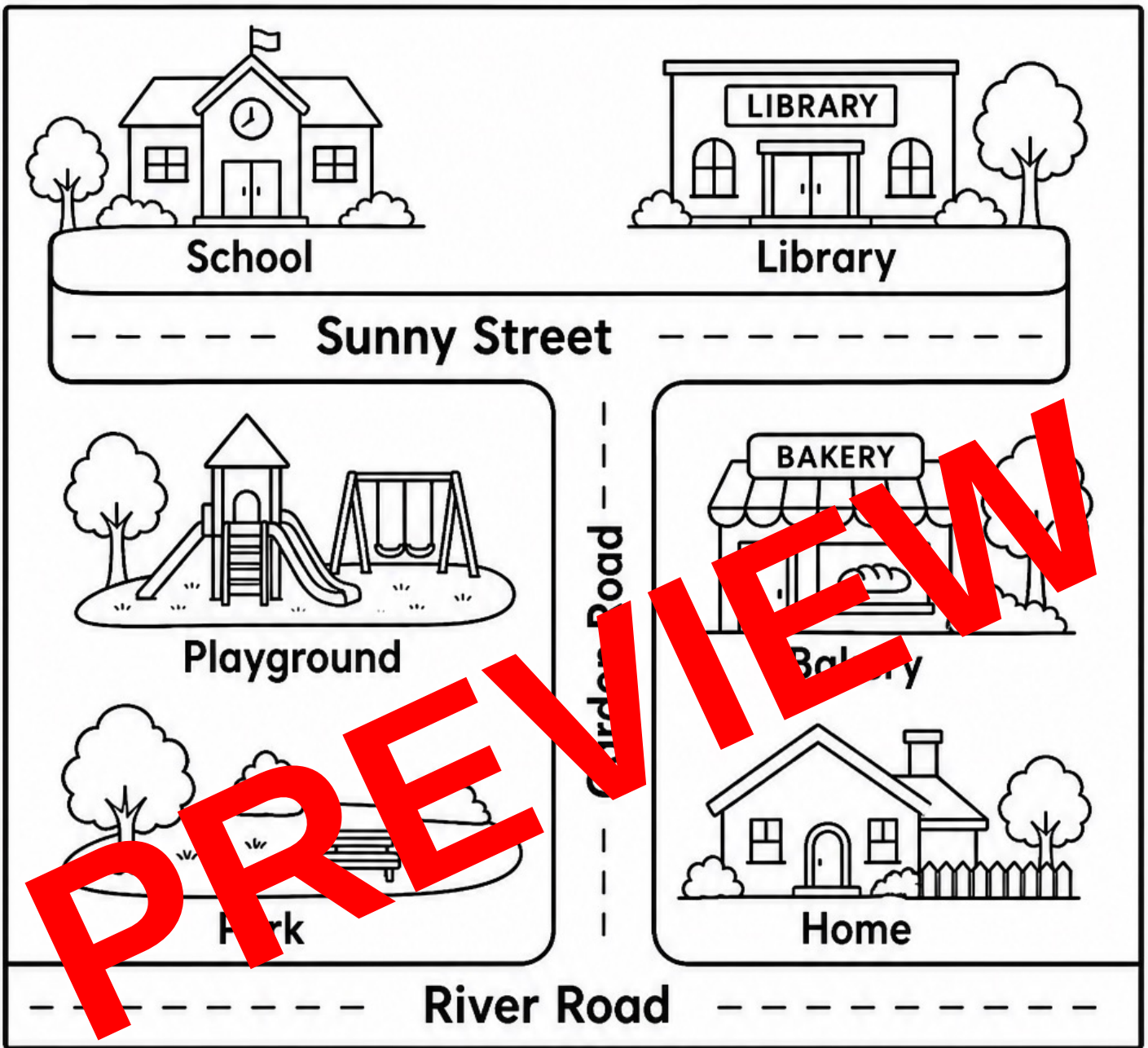
Name: ANSWERS

Draw the arrow after each turn. Then circle the correct turn word.

1. half turn clockwise		
2. half turn anticlockwise		
3. full turn clockwise		
4. full turn anticlockwise		
5.	 → 	☒ clockwise ☐ anticlockwise
6.	 → 	☐ clockwise ☒ anticlockwise
7.	 → 	☒ half turn ☐ full turn
8.	 →  → 	☐ half turn ☒ full turn

FOLLOW SUNNY STREET

Name: _____



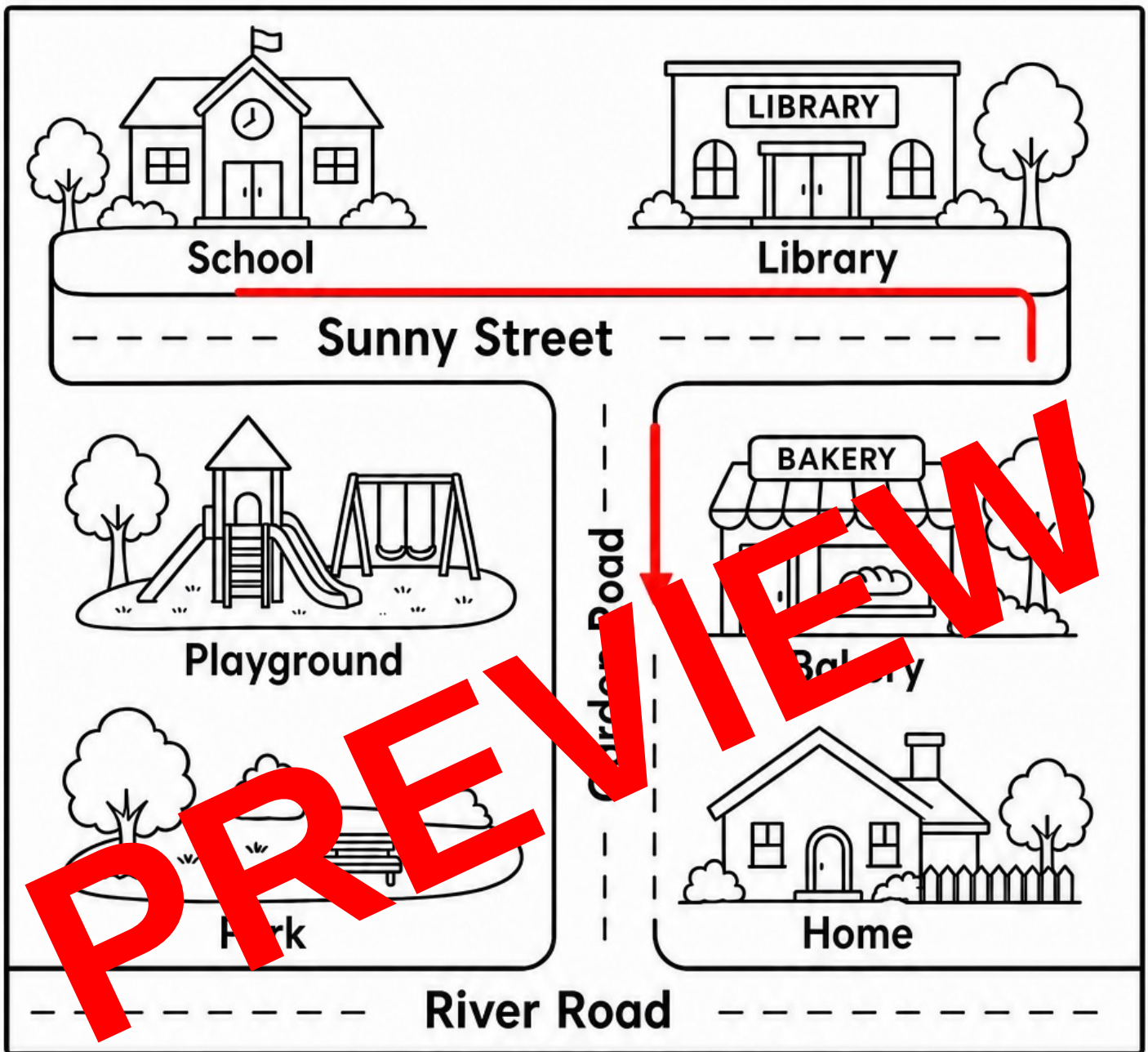
Complete the route from School to the Bakery.

1. Start at the School.
2. Move _____ along Sunny Street.
3. Turn _____ onto Garden Road.
4. Move forward past the _____.
5. The Bakery is on your _____.

forward • right • playground • left

FOLLOW SUNNY STREET

Name: **ANSWERS**



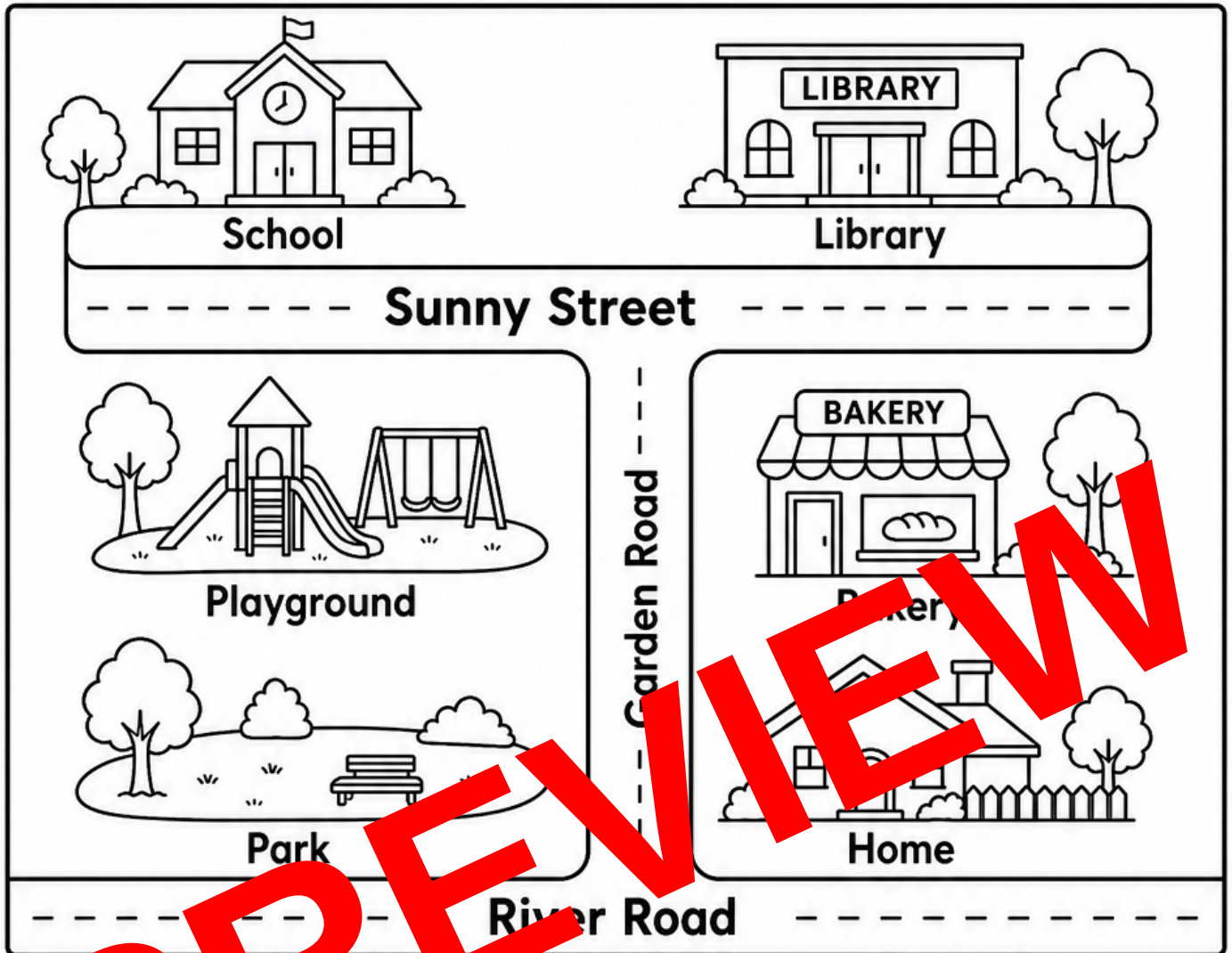
Complete the route from School to the Bakery.

1. Start at the School.
2. Move **forward** along Sunny Street.
3. Turn **right** onto Garden Road.
4. Move forward past the **playground**.
5. The Bakery is on your **left**.

forward • right • playground • left

GIVE DIRECTIONS ON SUNNY STREET

Name: _____



Draw each route. Write 3 or 4 direction steps.

Task A: Library to Playground

1. _____
2. _____
3. _____
4. _____

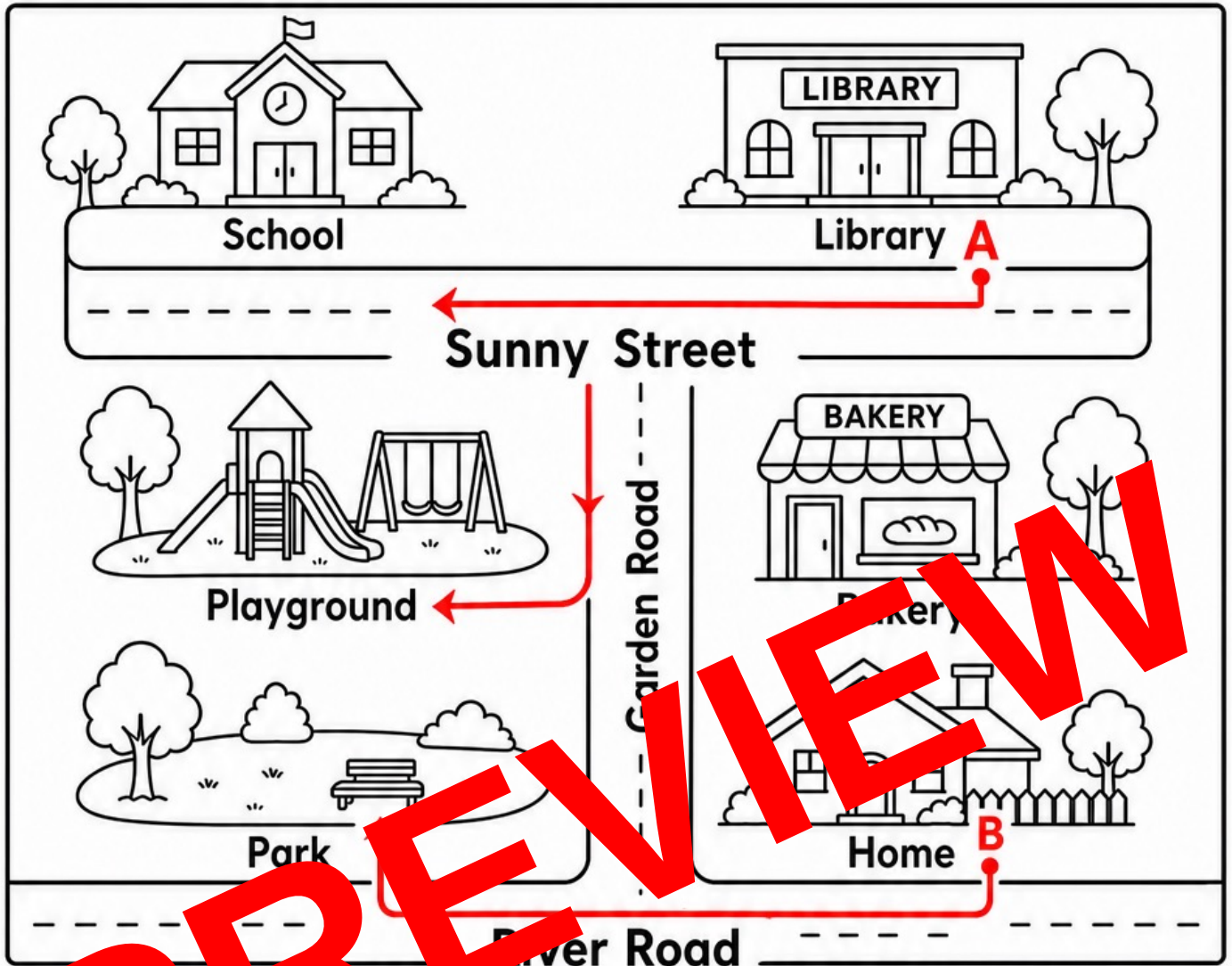
Task B: Home to Park

1. _____
2. _____
3. _____
4. _____

forward • left • right • past • next to

GIVE DIRECTIONS ON SUNNY STREET

Name: ANSWERS



Draw each route. Write 3 or 4 direction steps.

Task A: Library to Playground

1. Move left along Sunny Street.
2. Turn left onto Garden Road.
3. Move forward past the Playground.
4. Stop next to the Playground.

Task B: Home to Park

1. Move forward to River Road.
2. Turn right along River Road.
3. Move past Garden Road.
4. Stop next to the Park.

forward • left • right • past • next to

DOT-GRID PATHWAYS - SUPPORT

Name: _____

1. Go 3 dots right.
2. Go 2 dots up.
3. Go 2 dots right.
4. Go 1 dot down.
5. Go 1 dot right.
6. Go 3 dots up.
7. Go 2 dots left.
8. Go 1 dot up.

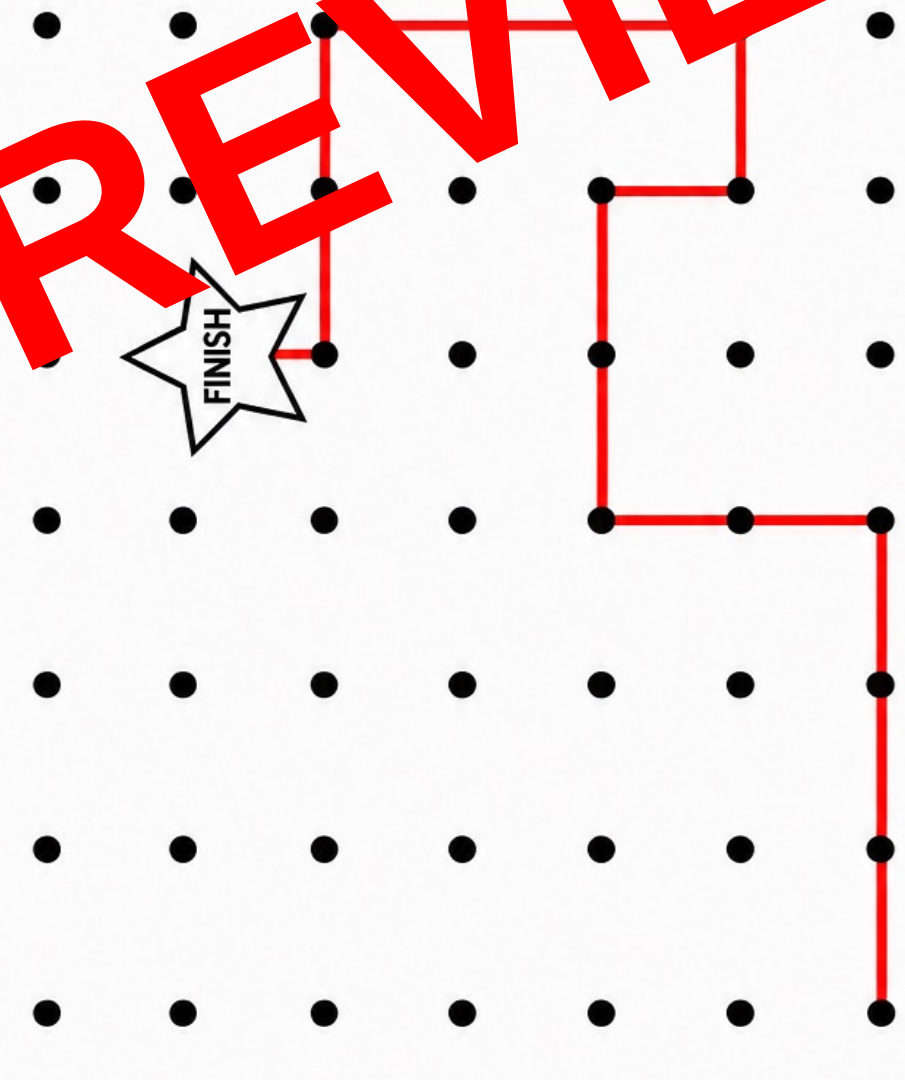
START



DOT-GRID PATHWAYS - SUPPORT

Name: _____

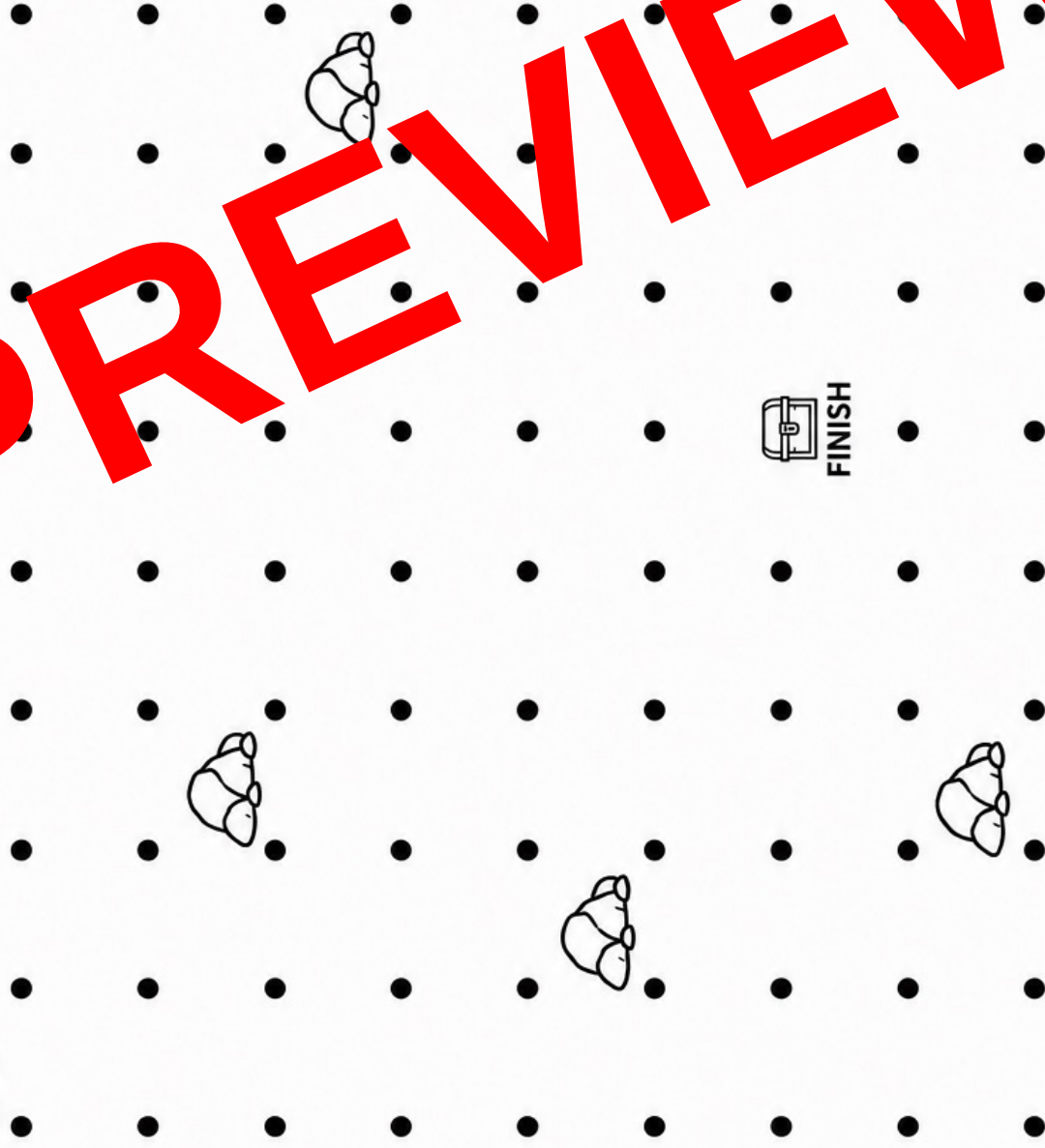
ANSWERS

- 
- The grid shows a red path starting from the bottom-left dot (row 10, column 8) and ending at a star labeled 'FINISH' (row 6, column 4). The path follows these steps: 1. Go 3 dots right. 2. Go 2 dots up. 3. Go 2 dots right. 4. Go 1 dot down. 5. Go 1 dot right. 6. Go 3 dots up. 7. Go 2 dots left. 8. Go 1 dot up.
1. Go 3 dots right.
 2. Go 2 dots up.
 3. Go 2 dots right.
 4. Go 1 dot down.
 5. Go 1 dot right.
 6. Go 3 dots up.
 7. Go 2 dots left.
 8. Go 1 dot up.

DOT-GRID PATHWAYS - CORE

Name: _____

START

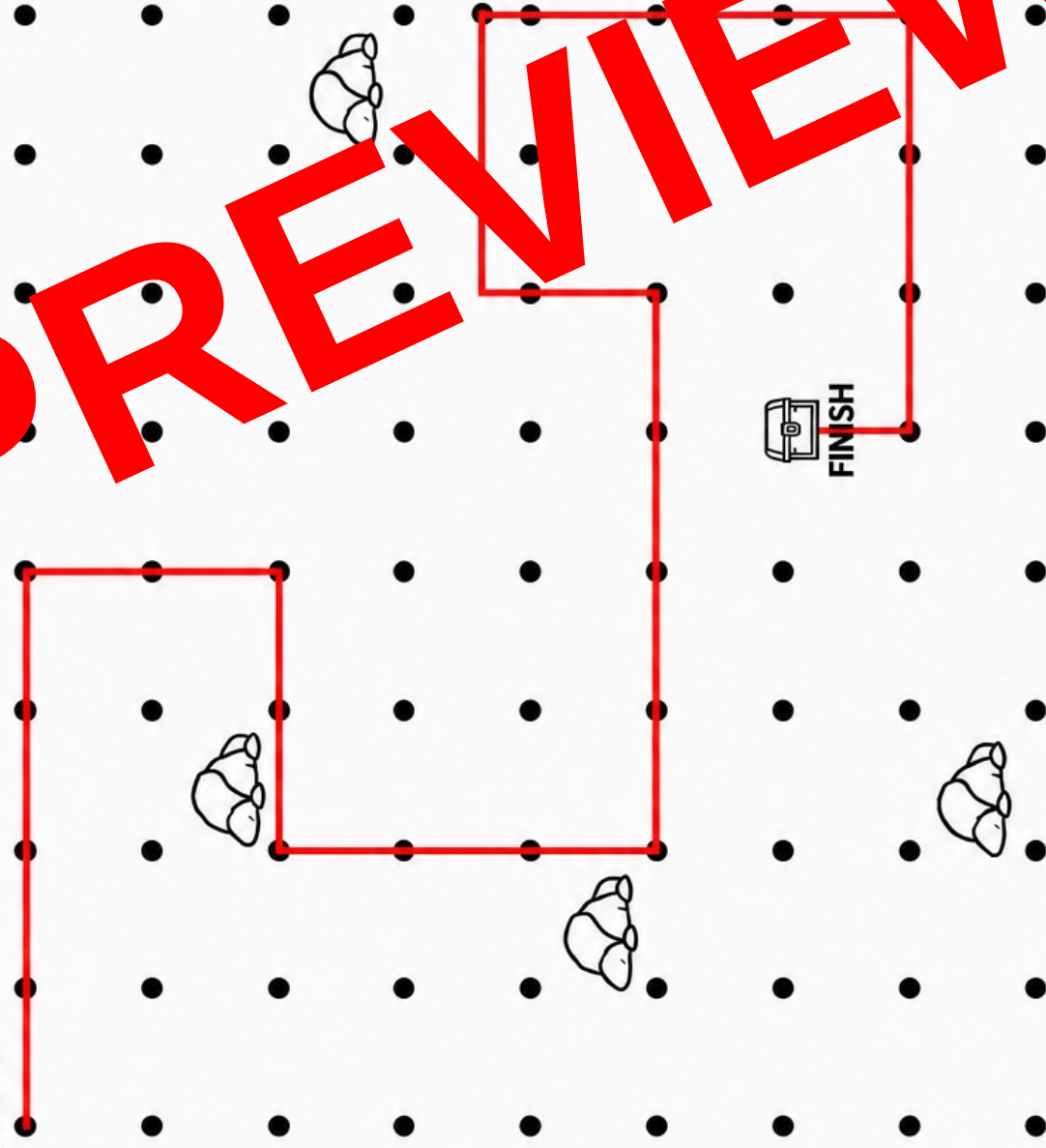


1. Go 4 dots right.
2. Go 2 dots down.
3. Go 2 dots left.
4. Go 3 dots down.
5. Go 4 dots right.
6. Go 1 dot up.
7. Go 2 dots right.
8. Go 3 dots down.
9. Go 3 dots left.
10. Go 1 dot up.

DOT-GRID PATHWAYS - CORE

Name: **ANSWERS**

START



1. Go 4 dots right.

2. Go 2 dots down.

3. Go 2 dots left.

4. Go 3 dots down.

5. Go 4 dots right.

6. Go 1 dot up.

7. Go 2 dots right.

8. Go 3 dots down.

9. Go 3 dots left.

10. Go 1 dot up.



FINISH

GARDEN RESCUE DIRECTIONS - ASSESSMENT

Name: _____

Page 1 of 2

A. Follow the directions.

1. Draw a bird above the shed.
2. Draw a frog next to the pond.
3. Draw a ball between the two trees.
4. Draw a hat under the bench.

/4



B. Choose the position word.

/2



5. The watering can is (inside / outside) the shed.



6. The butterfly is (above / below) the flowers.

GARDEN RESCUE DIRECTIONS - ASSESSMENT

Name: ANSWERS

Page 1 of 2

A. Follow the directions.

1. Draw a bird above the shed.
2. Draw a frog next to the pond.
3. Draw a ball between the two trees.
4. Draw a hat under the bench.

/4



B. Choose the position word.

/2

	5. The watering can is (inside / <u>outside</u>) the shed.
	6. The butterfly is (<u>above</u> / below) the flowers.

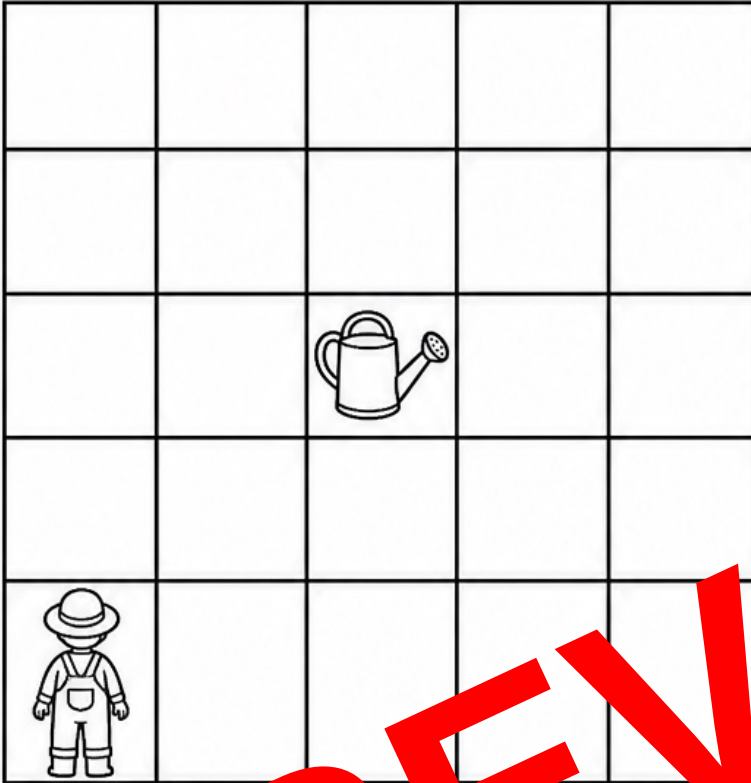
GARDEN RESCUE DIRECTIONS - ASSESSMENT

Name: _____

Page 2 of 2

C. Draw and describe a route.

7. Draw a route from the gardener to the watering can.



8. Write the route in 3 or 4 steps.

1. _____

2. _____

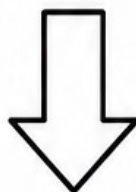
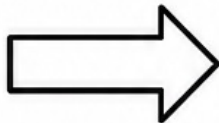
3. _____

4. _____

/2

Turn and direction words.

9. What turn could make this change?



half turn

full turn

/1

10. Write one clear direction that uses **left** or **right**.

/1

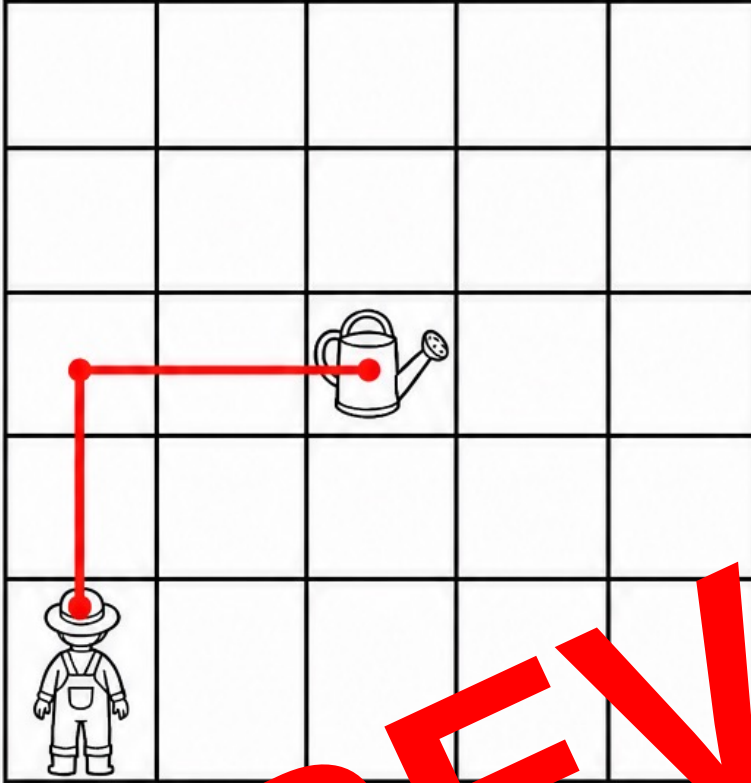
GARDEN RESCUE DIRECTIONS - ASSESSMENT

Name: ANSWERS

Page 2 of 2

C. Draw and describe a route.

7. Draw a route from the gardener to the watering can.



8. Write the route in 3 or 4 steps.

1. Move forward 2 squares.

2. Turn right.

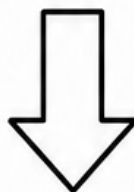
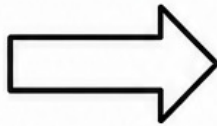
3. Move forward 2 squares.

4. Stop at the watering can.

/2

9. Turn and direction words.

9. Which turn could make this change?



half turn

full turn

/1

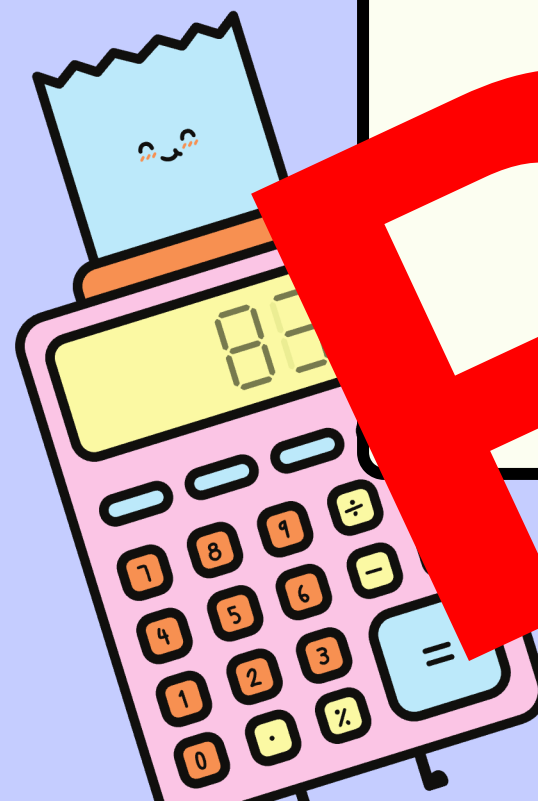
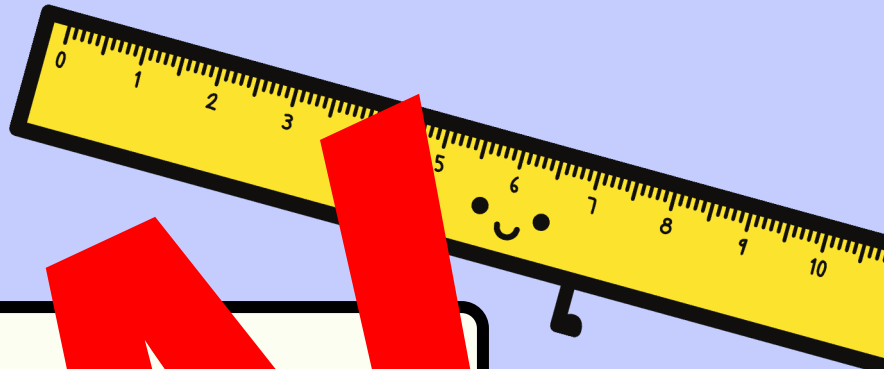
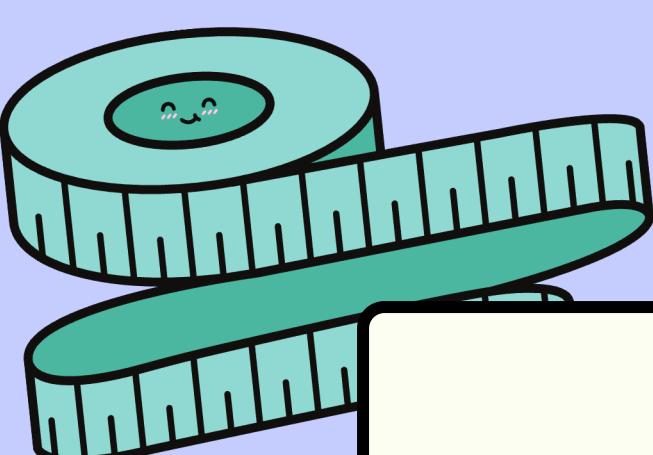
10. Write one clear direction that uses **left** or **right**.

Turn left at the garden gate.

/1

DAZZLING DIRECTIONS RUBRIC

	BEGINNING	DEVELOPING	ACHIEVING	CONFIDENT	EXCEEDING
Uses position words	with full help	with some help	usually correct	clear and correct	clear, correct and explains
Follows movement directions	with full help	follows one step	follows most steps	follows all steps	follows and checks all steps
Gives an ordered route	not yet	some steps	clearly in order	clear and in order	clear, efficient and detailed
Checks and corrects a route	needs full help	notices with help	checks some steps	checks and corrects	checks, corrects and explains



PREVIEW

Dazzling Directions

Our Learning Goal

We are learning to give an object a direction.

We will move people and objects to a new location.

We will check that each step works.



Why Do Directions Matter?

Clear directions help another person know...

- where to start
- which way to move
- when to turn
- where to stop



Position Words

ABOVE — higher than something

BELOW — lower than something

ON TOP OF — touching the top

UNDER — directly beneath



More Position Words

NEXT TO — beside BETWEEN — in the middle

INSIDE — within OUTSIDE — not within

FRONT OF — before something

BEHIND — at the back



Left and Right

Left and right belong to the person or object facing.

Hold up your left hand. Hold up your right hand.

If you turn around, your left and right turn with you.



Forward and Backward

FORWARD means move the way you are facing.

BACKWARD means move away from the way you are facing.

Always check which way the mover is facing first.



Position Word Check

Choose a position word to complete each sentence.

1. The clock is _____ the whiteboard.

2. The chair is _____ the two desks.

3. The school bag is _____ the table.



Build a Clear Direction

A clear direction tells us

ACTION + AMOUNT + TURN for DESTINATION

Example: move forward 3 steps, then turn left.



Clockwise and Anticlockwise

CLOCKWISE turns the same way as a clock hand.

Anticlockwise turns the opposite way.

Use your fingers to show each turn with one finger.



Half Turns and Full Turns

A HALF TURN makes you face the opposite way.

A FULL TURN takes you all the way around.

You finish facing the same way you started.



Human Robot Example

START

Forward 2 steps • Turn right 90° • Forward 1 step



STOP



Follow a Sequence

Try this route with a partner.

1. Move forward 2 steps.

2. Turn left.

3. Move forward 3 steps.

4. Make a half turn.



Read a Simple Map

Before moving, find:

- the START
- the DESTINATION
- roads or paths
- landmarks and obstacles



Give a Route

Partner Challenge: Library to Playground

Give 3 or 4 ordered steps.

Use words such as forward, left, right, past and next to.

Your partner follows the route exactly.



Check and Fix

Route: forward • turn right • forward

The robot reaches a wall after the turn.

What step should we change?

Explain how your new step fixes the route.



Learning Review

I can...

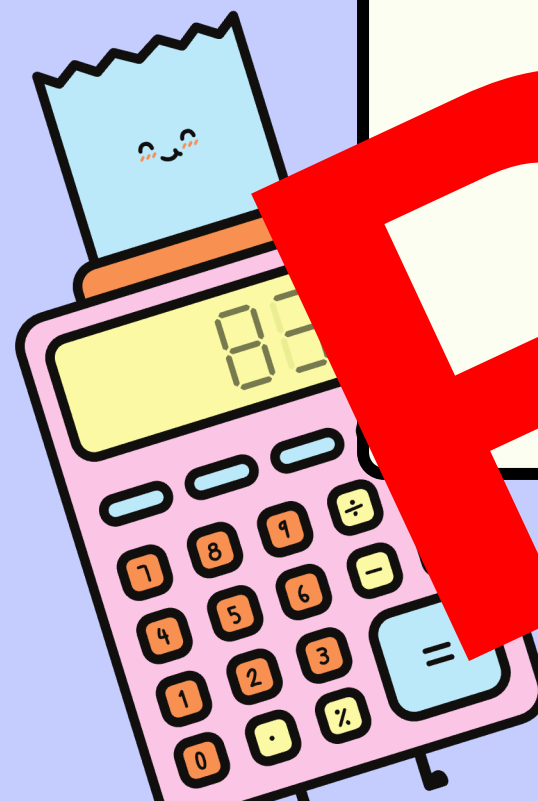
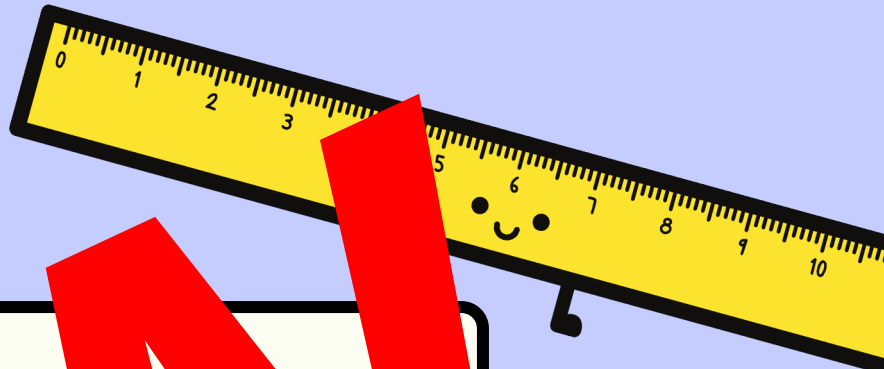
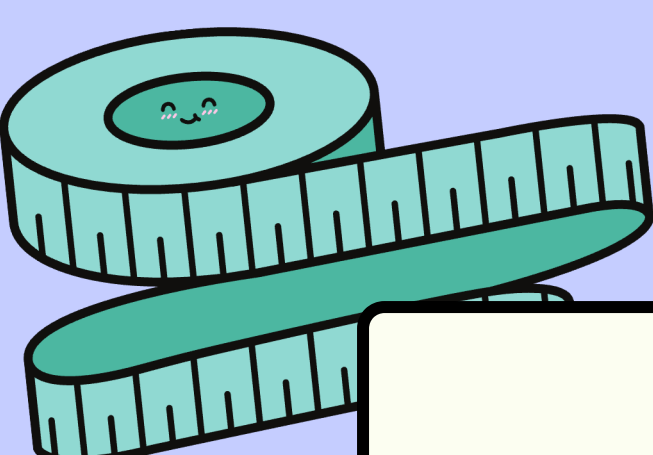
- ✓ use position words
- ✓ use forward, backward, left and right
- ✓ use clockwise, anticlockwise, half and full turn
- ✓ give ordered directions
- ✓ check and correct a route





Well Done!

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Dancing Directions Quiz

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Question 1 • Multiple Choice

Which word completes the sentence?

The pencil is ____ the book and the ruler.

A. above B. between

C. outside D. behind



Answer 1

B. between

Between is in the middle of two things.



Question 2 • True or False

Turn right means face a new direction on your right.

TRUE or FALSE?



Answer 2

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Might to changes the way you are facing.



Question 3 • Short Answer

What word describes something in the same direction as the hands on a clock?

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Answer 3

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clockwise



Question 4 • Multiple Choice

A robot faces north and makes a half turn.

Which way is it facing now?

A. north B. east

C. south D. west



Answer 4

C. out

A half turn faces the opposite direction.



Question 5 • True or False

After a full turn, you face the same way as you started.

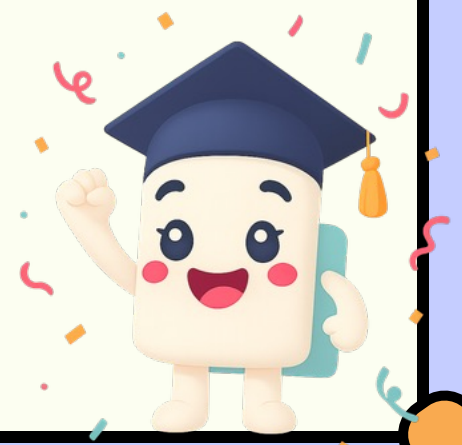
TRUE or FALSE?



Answer 5

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A fun journey goes all the way around.



Question 6 • Short Answer

Complete the direction.

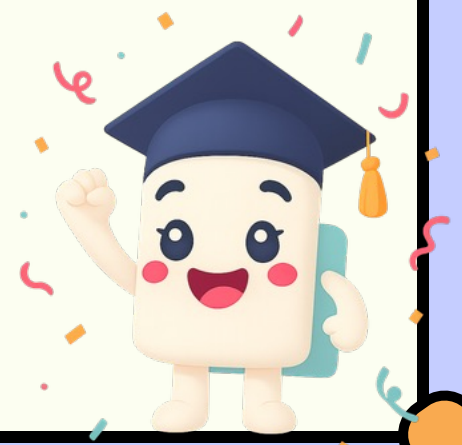
Move two steps and travel in the way you are facing.



Answer 6

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forward



Question 7 • Multiple Choice

Which action is the clearest?

A. Go to the front.

B. Move.

C. Go forward 3 steps, then turn left.

D. Walk around.



Answer 7

Go forward 3 steps, then turn left.

It gives an action, amount and turn.



Question 8 • True or False

If a box is inside a box, it is outside the box.

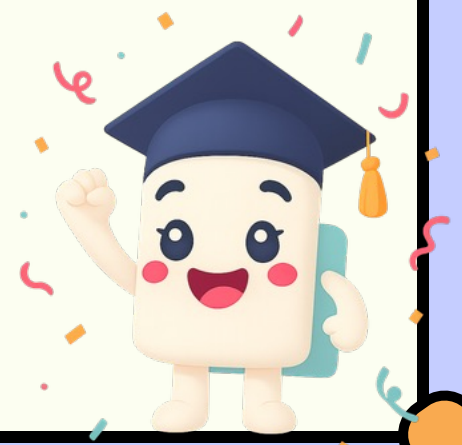
TRUE or FALSE?



Answer 8

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What is inside the box.



Question 9 • Short Answer

Answer the same:

forward 2 • turn right • forward 1

Which comes after the first two steps?



Answer 9

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turn right



Question 10 • Multiple Choice

Start facing up. Which sequence finishes the square to the right of the start?

- A. turn right, forward 1
- B. turn left, forward 1
- C. half turn, forward 1
- D. full turn, forward 1



Answer 10

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Turn right, forward 1





Well Done!

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