

# Sukindi

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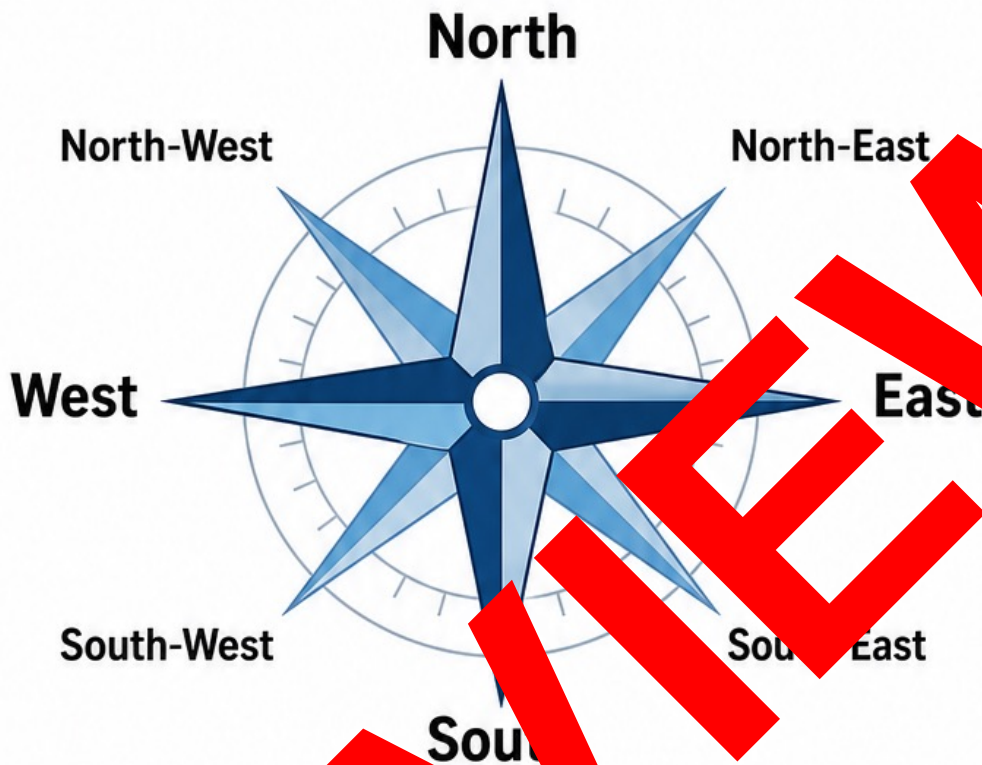


## Compass Directions - Year 4

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# COMPASS & GRID MAP TOOLKIT



Cardinal points: North, East, South, West



Inter-cardinal points: North-East, South-East, South-West, North-West



Grid references: read the letter first, then the number. Example: C4.



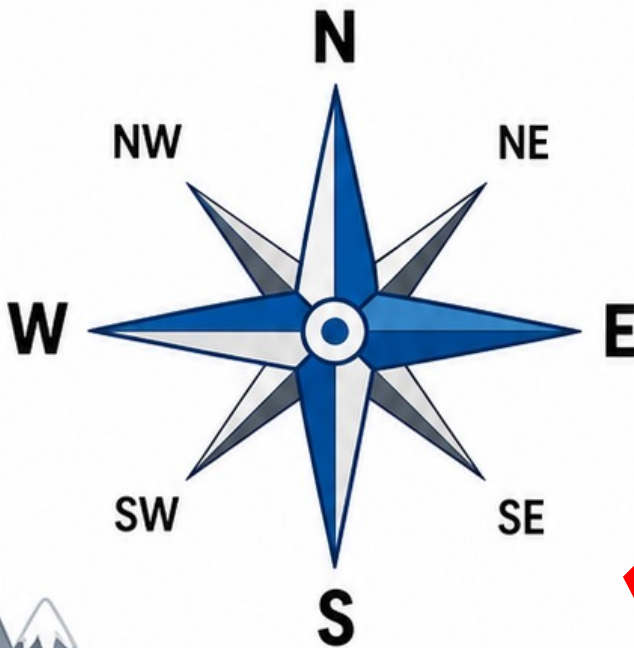
Routes: name the direction and distance.  
Example: Move 3 squares East, then 2 squares North.



## MAP CHECK:

Find the north arrow - north is not always at the top.

## COMPASS POINTS



**Cardinal:** North, South, East, West

**Intercardinal:** North-East, South-East, South-West, North-West



## GRID MAPS & ROUTES



1. Find the north. North is not always at the top.
2. Find the letter first, then the number. Example: C4.
3. Name direction and distance. Example: 3 squares East.
4. Follow each route step in order and check the finish.

|   | A | B | C | D | E |
|---|---|---|---|---|---|
| 5 |   |   |   |   |   |
| 4 |   |   |   |   |   |
| 3 |   |   |   |   |   |
| 2 |   |   |   |   |   |
| 1 |   |   |   |   |   |





# DIRECTION DASH



**YOU NEED:** direction cards, route cards, one counter per player, open floor space

1.

Place the North, East, South and West signs around the room.

2.

Shuffle the cards and start at the centre.

3.

Draw a card. Follow the direction and complete the movement.

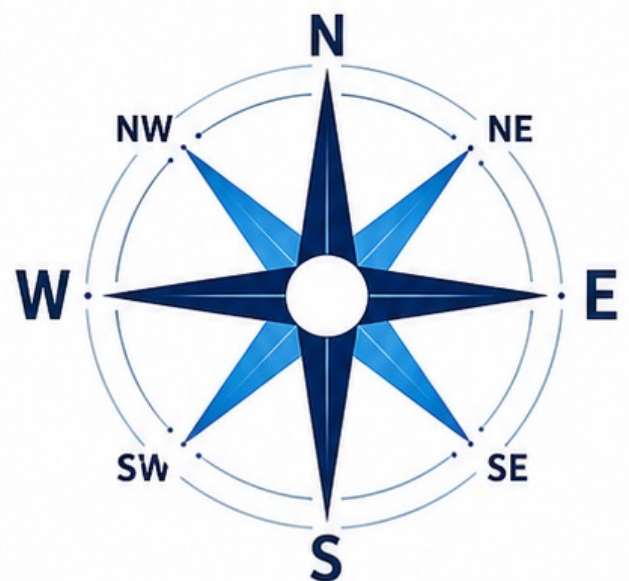
4.

For each card, follow the direction in order.

Score 1 point for an accurate finish. First to 8 points wins.



**SAFETY:** Walk, march or side-step only. Keep space between players.



# DIRECTION DASH - CARDINAL CARDS



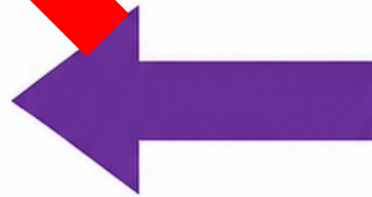
**Face North.  
Walk 4 steps.**



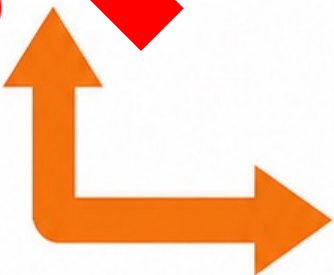
**Face East.  
Side-step 3 times.**



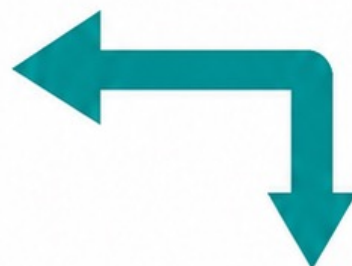
**Face South.  
March 2 steps.**



**Face West.  
Walk 2 steps.**



**Move 3 steps North,  
then 2 steps East.**



**Move 4 steps West,  
then 1 step South.**

# DIRECTION DASH - INTERCARDINAL CARDS



**Face North-East.  
Take 3 steps.**



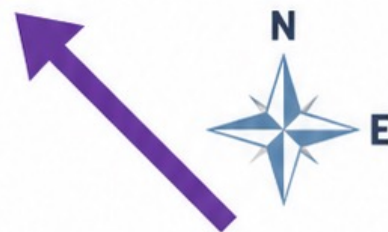
**Face South-East.  
Take 4 steps.**



**Face South-West.  
Take 2 steps.**



**Face North-West.  
Take 5 steps.**



**Move 2 steps North-East,  
then 2 steps South-East.**



**Move 3 steps South-West,  
then 1 step North-West.**



# DIRECTION DASH

## CHALLENGE ROUTE CARDS

**A.**



A. Move 2 North,  
3 East, 1 South.  
Finish facing West.



**B.**



B. Move 4 East,  
2 South, 2 West.  
Finish facing North.



**C.**



C. Move 2 North-East,  
2 South-East, 1 West.  
Finish facing South.



**D.**



D. Move 3 South,  
2 West, 1 North.  
Finish facing East.



**E.**



E. Move 2 North-West,  
3 North, 2 East.  
Finish facing South-West.



**F.**



F. Move 1 South-East,  
3 East, 2 North.  
Finish facing North-East.



Describe your finish relative to the start.



# ROUTE MAKER PARTNER CHALLENGE

1. Student A draws a continuous route from START to FINISH on the Map Maker page.

2. Use at least 6 direction changes and include 2 diagonal moves.

3. Keep the map hidden, then swap with Student B.

4. Student B completes the compass information and writes the route on the Route order.

5. Student A makes the instructions. Follow clear steps together.



## ROUTE LANGUAGE:

Move \_\_\_ squares [direction].



## CHALLENGE:

Rotate the north arrow before swapping.

# ROUTE MAKER - MAP MAKER

Name: \_\_\_\_\_

|    | A | B | C | D | E | F | G | H | I   | J |
|----|---|---|---|---|---|---|---|---|-----|---|
| 10 |   |   |   |   |   |   |   |   |     |   |
| 9  |   |   |   |   |   |   |   |   | ISH |   |
| 8  |   |   |   |   |   |   |   |   |     |   |
| 7  |   |   |   |   |   |   |   |   |     |   |
| 6  |   |   |   |   |   |   |   |   |     |   |
| 5  |   |   |   |   |   |   |   |   |     |   |
| 4  |   |   |   |   |   |   |   |   |     |   |
| 3  |   |   |   |   |   |   |   |   |     |   |
| 2  |   |   |   |   |   |   |   |   |     |   |

Circle the north arrow: UP / RIGHT / DOWN / LEFT

- ☐ At least 6 direction changes
- ☐ At least 2 diagonal moves

# ROUTE MAKER - ROUTE RECORDER

Name: \_\_\_\_\_

Partner: \_\_\_\_\_

North points: UP / RIGHT / DOWN / LEFT

Start grid reference: \_\_\_\_\_

Finish grid reference: \_\_\_\_\_

1. Move \_\_\_\_\_ squares \_\_\_\_\_.
2. Move \_\_\_\_\_ squares \_\_\_\_\_.
3. Move \_\_\_\_\_ squares \_\_\_\_\_.
4. Move \_\_\_\_\_ squares \_\_\_\_\_.
5. Move \_\_\_\_\_ squares \_\_\_\_\_.
6. Move \_\_\_\_\_ squares \_\_\_\_\_.
7. Move \_\_\_\_\_ squares \_\_\_\_\_.
8. Move \_\_\_\_\_ squares \_\_\_\_\_.
9. Move \_\_\_\_\_ squares \_\_\_\_\_.
10. Move \_\_\_\_\_ squares \_\_\_\_\_.
11. Move \_\_\_\_\_ squares \_\_\_\_\_.
12. Move \_\_\_\_\_ squares \_\_\_\_\_.

☐ Each step names a direction.

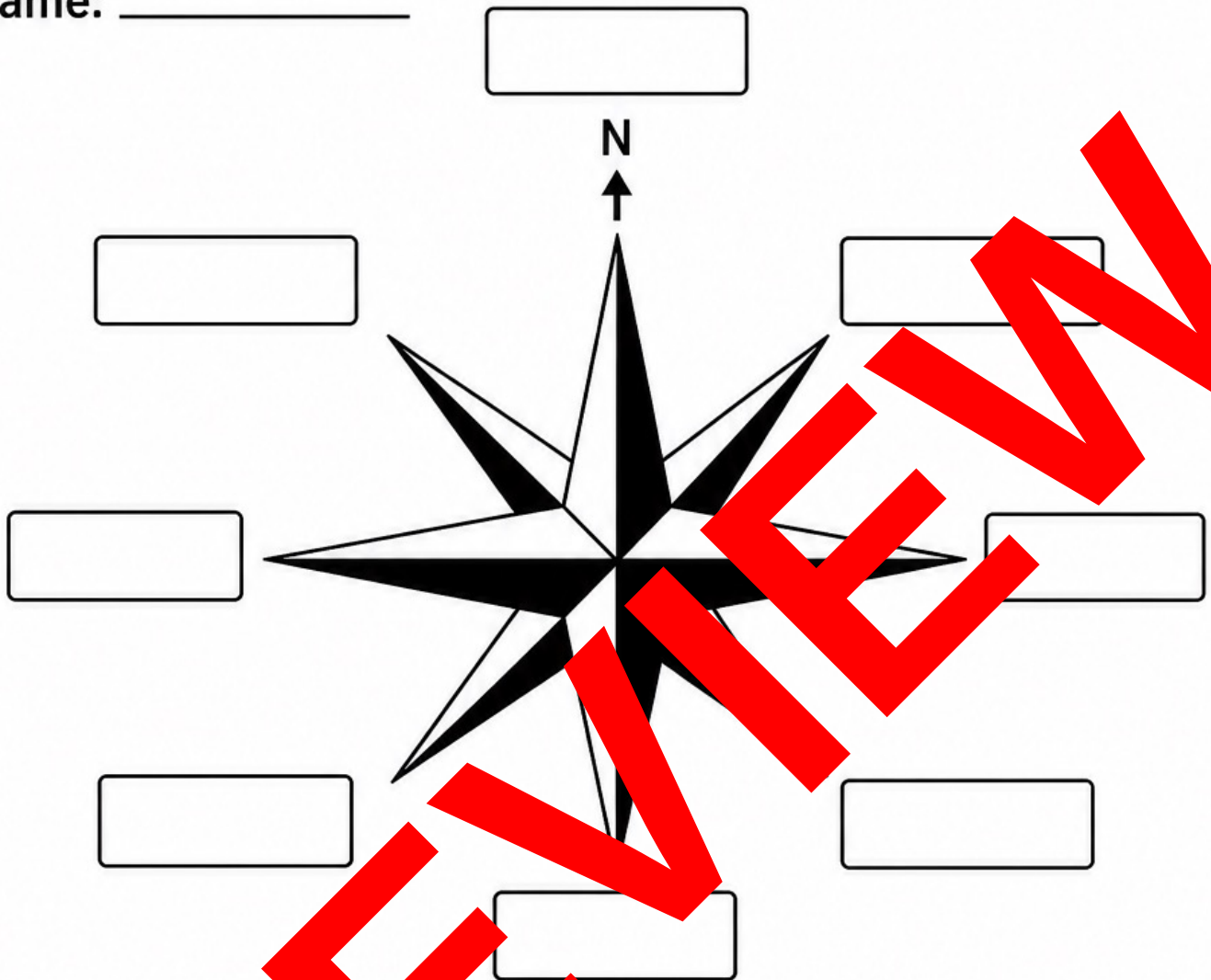
☐ Each step names a distance.

☐ My route reaches **FINISH**.

One instruction I improved: \_\_\_\_\_

# COMPASS ROSE MASTERY

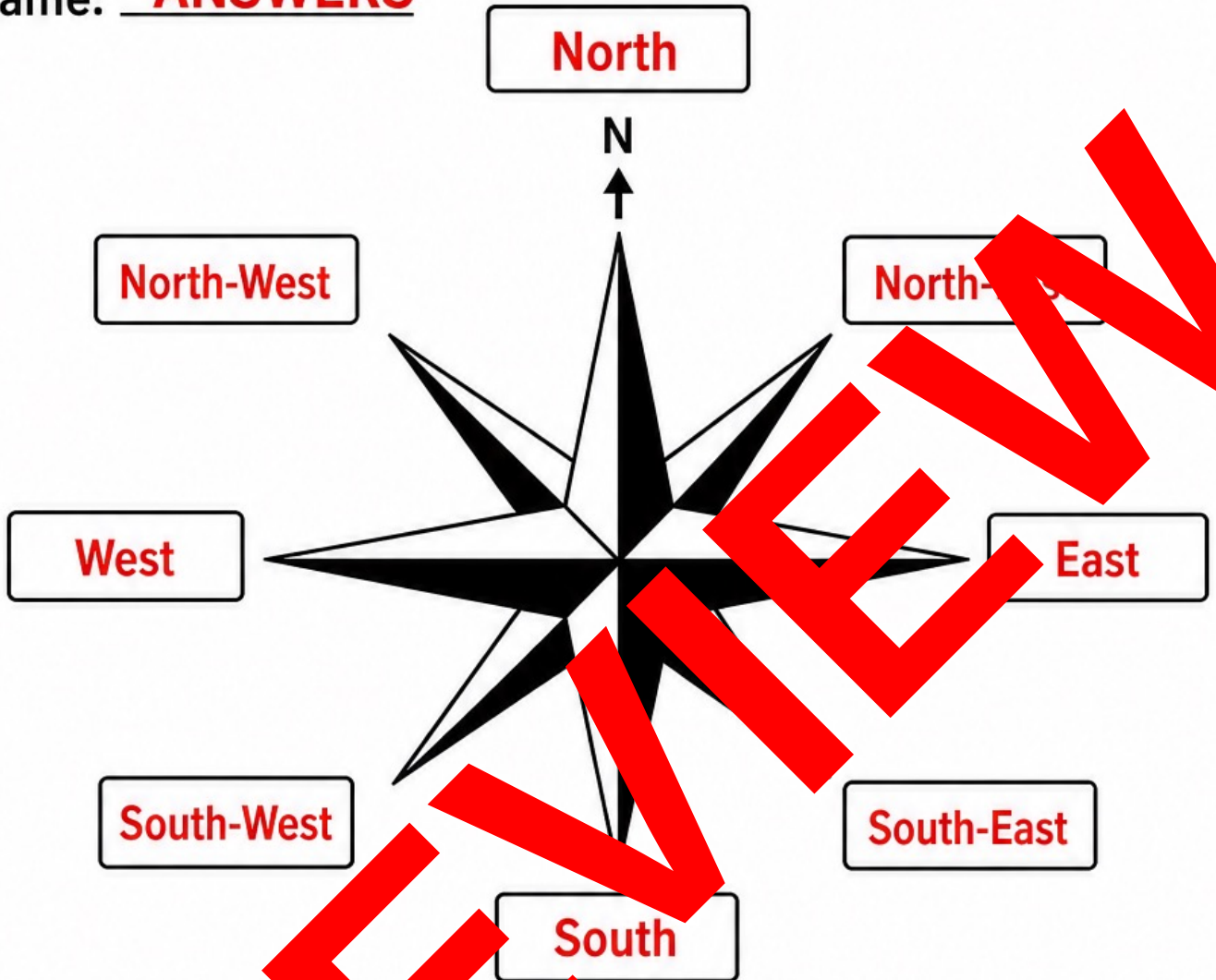
Name: \_\_\_\_\_



1. Write the abbreviation for North-East. \_\_\_\_\_
2. Write the full name for SW. \_\_\_\_\_
3. What direction is opposite North? \_\_\_\_\_
4. Which direction is halfway between East and South? \_\_\_\_\_
5. What direction is opposite North-West? \_\_\_\_\_
6. Complete clockwise: North, North-East, East, \_\_\_\_\_, South.
7. Complete clockwise: West, North-West, \_\_\_\_\_.
8. Face South and make a quarter-turn left.  
Which direction do you face? \_\_\_\_\_

# COMPASS ROSE MASTERY

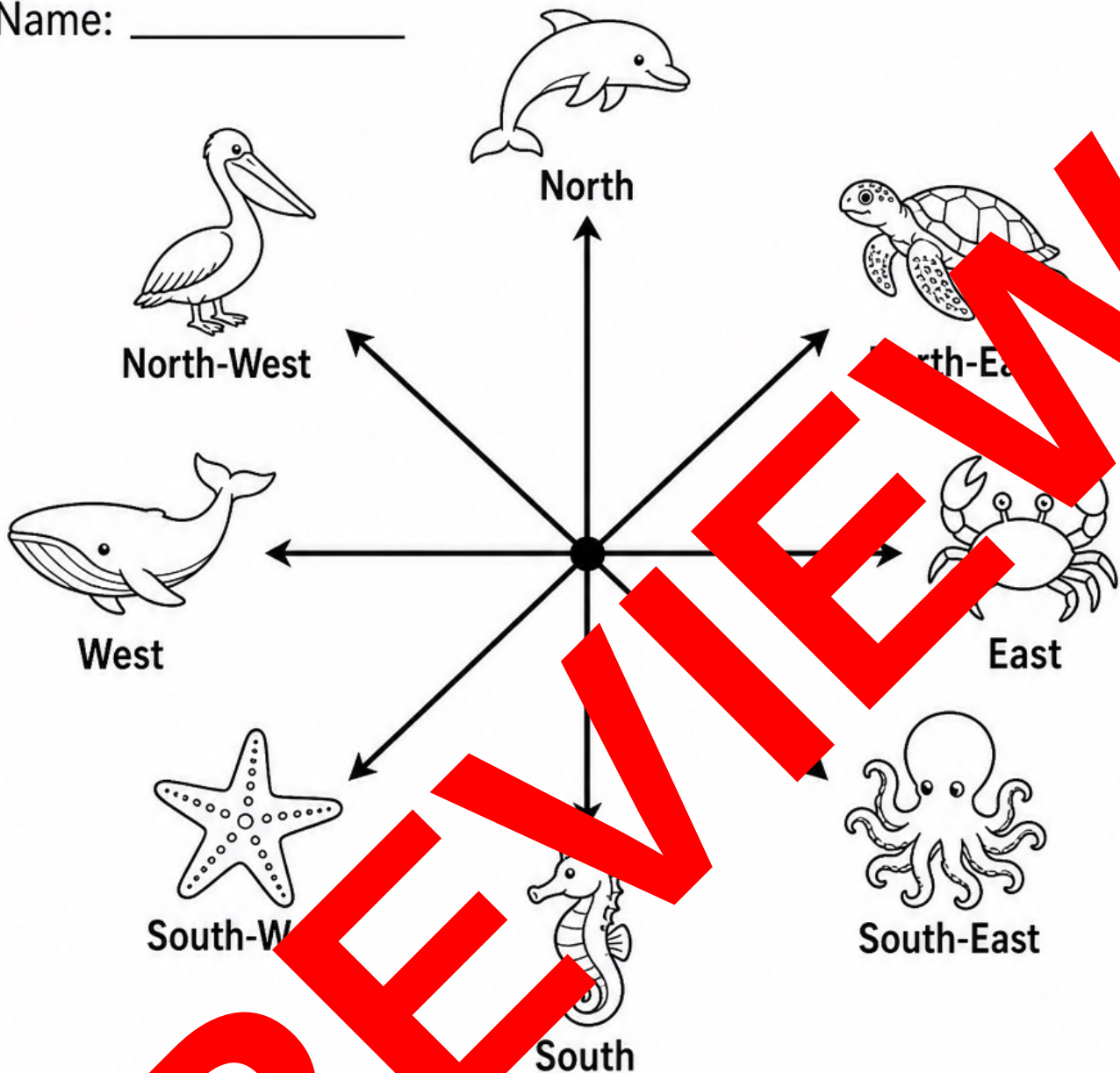
Name: ANSWERS



1. Write the abbreviation for North-East. NE
2. Write the full name for SW. South-West
3. What direction is opposite North? South
4. Which direction is halfway between East and South? South-East
5. What direction is opposite North-West? South-East
6. Complete clockwise: North, North-East, East, South-East, South.
7. Complete clockwise: West, North-West, North.
8. Face South and make a quarter-turn left.  
Which direction do you face? East

# RELATIVE POSITIONS IN CORAL COVE - 1

Name: \_\_\_\_\_



1. The dolphin is \_\_\_\_\_ of the seahorse.

2. The turtle is \_\_\_\_\_ of the starfish.

3. The crab is \_\_\_\_\_ of the whale.

4. The octopus is \_\_\_\_\_ of the pelican.

5. The starfish is \_\_\_\_\_ of the turtle.

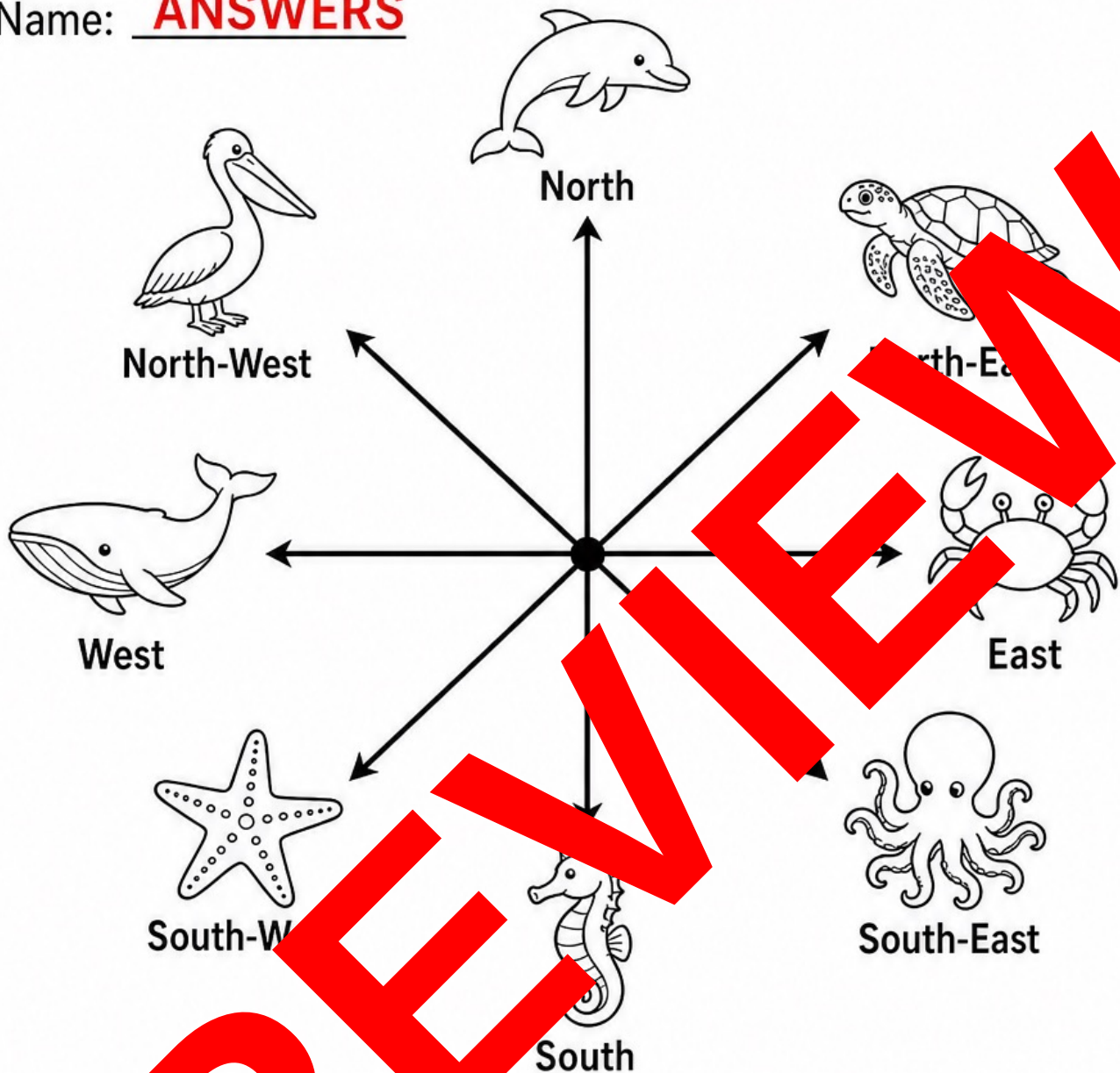
6. The pelican is \_\_\_\_\_ of the octopus.

7. The whale is \_\_\_\_\_ of the crab.

8. The seahorse is \_\_\_\_\_ of the dolphin.

# RELATIVE POSITIONS IN CORAL COVE - 1

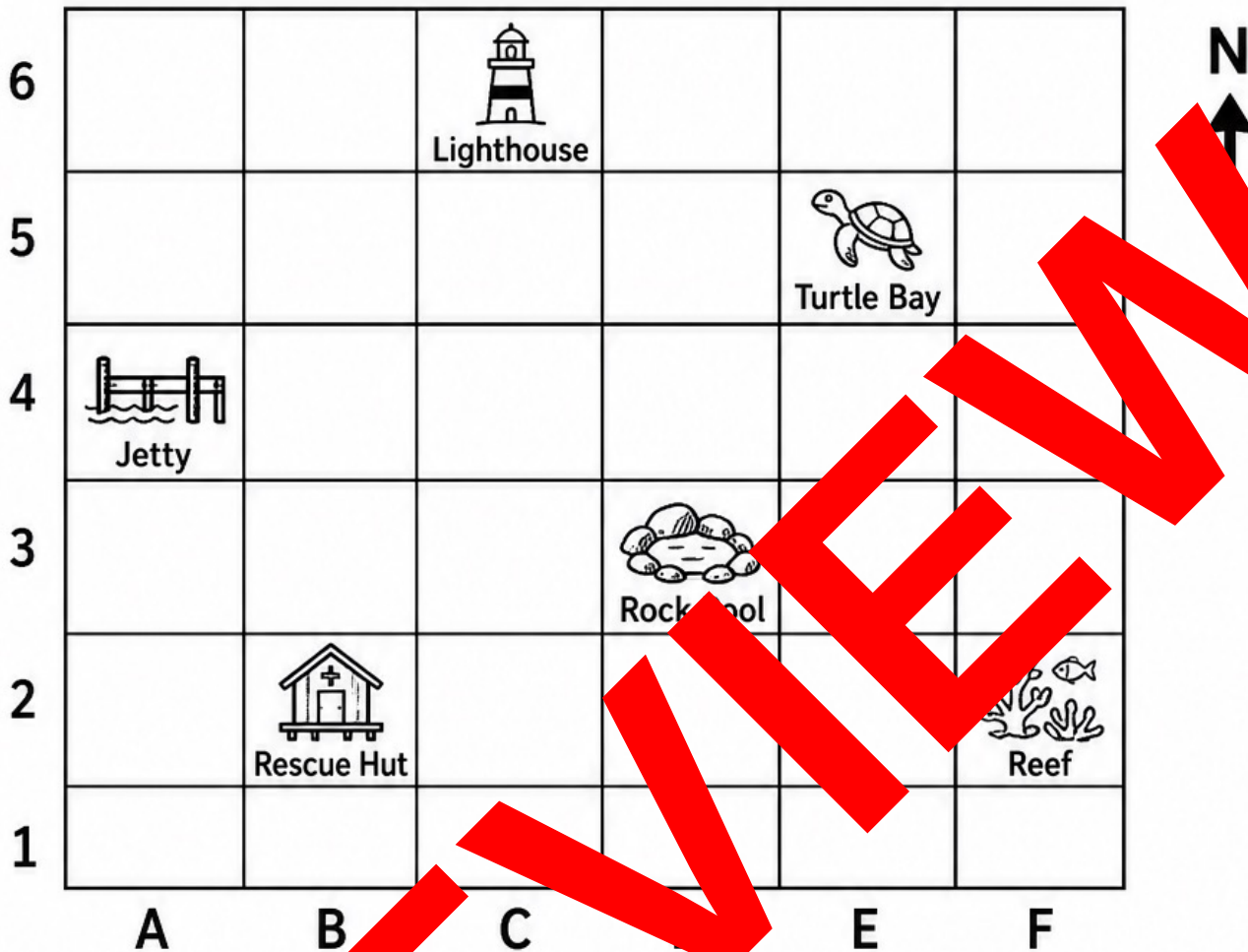
Name: ANSWERS



1. The dolphin is North of the seahorse.
2. The turtle is North-East of the starfish.
3. The crab is East of the whale.
4. The octopus is South-East of the pelican.
5. The starfish is South-West of the turtle.
6. The pelican is North-West of the octopus.
7. The whale is West of the crab.
8. The seahorse is South of the dolphin.

# RELATIVE POSITIONS IN CORAL COVE - 2

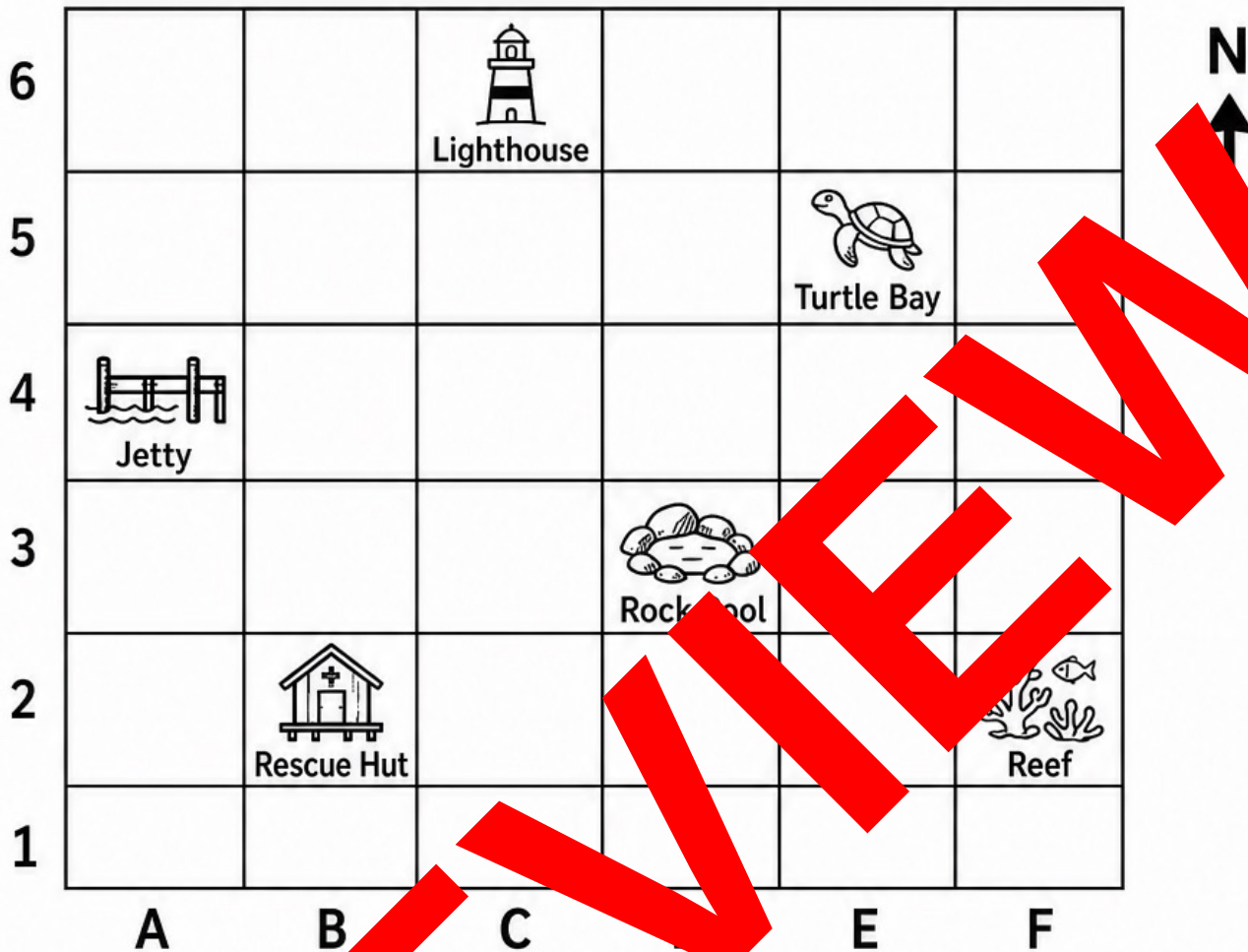
Name: \_\_\_\_\_



1. What is at E5? \_\_\_\_\_
2. What is the grid reference of the Lighthouse? \_\_\_\_\_
3. Start at Rescue Hut B2. Move 2 squares East and 1 square North. Where do you finish? \_\_\_\_\_
4. From Rock Pool D3, move 1 square East and 2 squares North. Where do you finish? \_\_\_\_\_
5. Using cardinal moves only, write a shortest route from Jetty A4 to Lighthouse C6. \_\_\_\_\_
6. What direction is Reef F2 from Rescue Hut B2? \_\_\_\_\_
7. What direction is Jetty A4 from Lighthouse C6? \_\_\_\_\_
8. Write the route from Reef F2 to Turtle Bay E5. \_\_\_\_\_

# RELATIVE POSITIONS IN CORAL COVE - 2

Name: ANSWERS



1. What is at E5? Turtle Bay
2. What is the grid reference of the Lighthouse? C6
3. Start at Rescue Hut B2. Move 2 squares East and 1 square North. Where do you finish? Rock Pool D3
4. From Rock Pool D3, move 1 square East and 2 squares North. Where do you finish? Turtle Bay E5
5. Using cardinal moves only, write a shortest route from Jetty A4 to Lighthouse C6. 2 squares East, then 2 squares North
6. What direction is Reef F2 from Rescue Hut B2? East
7. What direction is Jetty A4 from Lighthouse C6? South-West
8. Write the route from Reef F2 to Turtle Bay E5. 1 square West, then 3 squares North

# GRID REFERENCES AT SUNBURST FESTIVAL - 1

Name: \_\_\_\_\_

|   | A                                                                                                  | B                                                                                                | C                                                                                                 | D                                                                                                | E                                                                                                | F                                                                                             | G                                                                                            | H                                                                                                  |
|---|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| 8 |                                                                                                    |                                                                                                  |                                                                                                   |                                                                                                  |                                                                                                  |                                                                                               |                                                                                              |                                                                                                    |
| 7 |                                                                                                    | <br>Music Stage |                                                                                                   |                                                                                                  |                                                                                                  |                                                                                               | <br>Water |                                                                                                    |
| 6 |                                                                                                    |                                                                                                  | <br>Ferris Wheel |                                                                                                  |                                                                                                  |                                                                                               |                                                                                              |                                                                                                    |
| 5 |                                                                                                    |                                                                                                  |                                                                                                   |                                                                                                  |                                                                                                  | <br>Food H |                                                                                              |                                                                                                    |
| 4 |                                                                                                    |                                                                                                  |                                                                                                   |                                                                                                  |                                                                                                  |                                                                                               |                                                                                              |                                                                                                    |
| 3 |                                                                                                    |                                                                                                  |                                                                                                   |                                                                                                  | <br>Games Tent |                                                                                               |                                                                                              |                                                                                                    |
| 2 |                                                                                                    |                                                                                                  |                                                                                                   | <br>Lost Prop |                                                                                                  |                                                                                               |                                                                                              | <br>First Aid |
| 1 | <br>Entrance A1 |                                                                                                  |                                                                                                   |                                                                                                  |                                                                                                  |                                                                                               |                                                                                              |                                                                                                    |

| KEY                                                                                               |
|---------------------------------------------------------------------------------------------------|
|  Entrance      |
|  Ferris Wheel  |
|  Food          |
|  First Aid     |
|  Music Stage   |
|  Games Tent    |
|  Water Station |
|  Lost Property |

Scale: 1 square = 50 metres

1. What is at C6? \_\_\_\_\_

2. Give the grid reference for First Aid. \_\_\_\_\_

3. What is at E3? \_\_\_\_\_

4. Give the grid reference for Music Stage. \_\_\_\_\_

5. Which place is at D2? \_\_\_\_\_

6. Which place shares row 7 with Music Stage? \_\_\_\_\_

7. Which place is furthest East? \_\_\_\_\_

8. Which other place is closest to Entrance A1? \_\_\_\_\_

# GRID REFERENCES AT SUNBURST FESTIVAL - 1

Name: ANSWERS

|   | A                                                                                                  | B                                                                                                | C                                                                                                 | D                                                                                                    | E                                                                                                | F                                                                                                | G                                                                                                    | H                                                                                                  |
|---|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| 8 |                                                                                                    |                                                                                                  |                                                                                                   |                                                                                                      |                                                                                                  |                                                                                                  |                                                                                                      |                                                                                                    |
| 7 |                                                                                                    | <br>Music Stage |                                                                                                   |                                                                                                      |                                                                                                  |                                                                                                  | <br>Water Station |                                                                                                    |
| 6 |                                                                                                    |                                                                                                  | <br>Ferris Wheel |                                                                                                      |                                                                                                  |                                                                                                  |                                                                                                      |                                                                                                    |
| 5 |                                                                                                    |                                                                                                  |                                                                                                   |                                                                                                      |                                                                                                  | <br>Food Hall |                                                                                                      |                                                                                                    |
| 4 |                                                                                                    |                                                                                                  |                                                                                                   |                                                                                                      |                                                                                                  |                                                                                                  |                                                                                                      |                                                                                                    |
| 3 |                                                                                                    |                                                                                                  |                                                                                                   |                                                                                                      | <br>Games Tent |                                                                                                  |                                                                                                      |                                                                                                    |
| 2 |                                                                                                    |                                                                                                  |                                                                                                   | <br>Lost Property |                                                                                                  |                                                                                                  |                                                                                                      | <br>First Aid |
| 1 | <br>Entrance A1 |                                                                                                  |                                                                                                   |                                                                                                      |                                                                                                  |                                                                                                  |                                                                                                      |                                                                                                    |

| KEY                                                                                               |
|---------------------------------------------------------------------------------------------------|
|  Entrance A1   |
|  Ferris Wheel  |
|  Food Hall     |
|  First Aid     |
|  Music Stage   |
|  Games Tent    |
|  Water Station |
|  Lost Property |

Scale: 1 square = 50 metres

1. What is at C6? Ferris Wheel

2. Give the grid reference for First Aid. H2

3. What is at E3? Games Tent

4. Give the grid reference for Music Stage. B7

5. Which place is at D2? Lost Property

6. Which place shares row 7 with Music Stage? Water Station

7. Which place is furthest East? First Aid

8. Which other place is closest to Entrance A1? Lost Property D2

# GRID REFERENCES AT SUNBURST FESTIVAL - 2

Name: \_\_\_\_\_

|   | A                                                                                               | B                                                                                                | C                                                                                                 | D                                                                                                   | E                                                                                          | F                                                                                                | G                                                                                                    | H                                                                                                 |
|---|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 8 |                                                                                                 |                                                                                                  |                                                                                                   |                                                                                                     |                                                                                            |                                                                                                  |                                                                                                      |                                                                                                   |
| 7 |                                                                                                 | <br>Music Stage |                                                                                                   |                                                                                                     |                                                                                            |                                                                                                  | <br>Water Station |                                                                                                   |
| 6 |                                                                                                 |                                                                                                  | <br>Ferris Wheel |                                                                                                     |                                                                                            |                                                                                                  |                                                                                                      |                                                                                                   |
| 5 |                                                                                                 |                                                                                                  |                                                                                                   |                                                                                                     |                                                                                            | <br>Food Hall |                                                                                                      |                                                                                                   |
| 4 |                                                                                                 |                                                                                                  |                                                                                                   |                                                                                                     |                                                                                            |                                                                                                  |                                                                                                      |                                                                                                   |
| 3 |                                                                                                 |                                                                                                  |                                                                                                   |                                                                                                     | <br>Games |                                                                                                  |                                                                                                      |                                                                                                   |
| 2 |                                                                                                 |                                                                                                  |                                                                                                   | <br>Lost Property |                                                                                            |                                                                                                  |                                                                                                      | <br>First Aid |
| 1 | <br>Entrance |                                                                                                  |                                                                                                   |                                                                                                     |                                                                                            |                                                                                                  |                                                                                                      |                                                                                                   |

Scale: 1 square = 50 metres

- Start at Entrance A1. Move 1 square East and 1 square North.  
Where do you finish? \_\_\_\_\_
- From Lost Property D2, move 1 square East and 1 square North.  
Where do you finish? \_\_\_\_\_
- From Games E3, move 1 square East and 2 squares North.  
Where do you finish? \_\_\_\_\_
- In what direction is Ferris Wheel C6 from Food Hall F5? \_\_\_\_\_
- In what direction is Water Station G7 from Music Stage B7? \_\_\_\_\_
- Write a cardinal route from Music Stage B7 to First Aid H2. \_\_\_\_\_
- How far is Lost Property D2 from First Aid H2 along row 2? \_\_\_\_\_ metres
- Write one route from Entrance A1 to Food Hall F5. \_\_\_\_\_

# GRID REFERENCES AT SUNBURST FESTIVAL - 2

Name: ANSWERS

|   | A                                                                                               | B                                                                                                | C                                                                                                 | D                                                                                                   | E                                                                                               | F                                                                                                | G                                                                                                    | H                                                                                                 |
|---|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 8 |                                                                                                 |                                                                                                  |                                                                                                   |                                                                                                     |                                                                                                 |                                                                                                  |                                                                                                      |                                                                                                   |
| 7 |                                                                                                 | <br>Music Stage |                                                                                                   |                                                                                                     |                                                                                                 |                                                                                                  | <br>Water Station |                                                                                                   |
| 6 |                                                                                                 |                                                                                                  | <br>Ferris Wheel |                                                                                                     |                                                                                                 |                                                                                                  |                                                                                                      |                                                                                                   |
| 5 |                                                                                                 |                                                                                                  |                                                                                                   |                                                                                                     |                                                                                                 | <br>Food Hall |                                                                                                      |                                                                                                   |
| 4 |                                                                                                 |                                                                                                  |                                                                                                   |                                                                                                     |                                                                                                 |                                                                                                  |                                                                                                      |                                                                                                   |
| 3 |                                                                                                 |                                                                                                  |                                                                                                   |                                                                                                     | <br>Games Tent |                                                                                                  |                                                                                                      |                                                                                                   |
| 2 |                                                                                                 |                                                                                                  |                                                                                                   | <br>Lost Property |                                                                                                 |                                                                                                  |                                                                                                      | <br>First Aid |
| 1 | <br>Entrance |                                                                                                  |                                                                                                   |                                                                                                     |                                                                                                 |                                                                                                  |                                                                                                      |                                                                                                   |

Scale: 1 square = 50 metres

- Start at Entrance A1. Move 1 square East and 1 square North.  
Where do you go? Lost Property D2
- From Lost Property D2, move 1 square East and 1 square North.  
Where do you go? Games Tent E3
- From Games Tent E3, move 1 square East and 2 squares North.  
Where do you go? Food Hall F5
- In what direction is Ferris Wheel C6 from Food Hall F5? North-West
- In what direction is Water Station G7 from Music Stage B7? East
- Write a cardinal route from Music Stage B7 to First Aid H2. 6 squares East, then 5 squares South
- How far is Lost Property D2 from First Aid H2 along row 2? 200 metres
- Write one route from Entrance A1 to Food Hall F5. 5 squares East, then 4 squares North

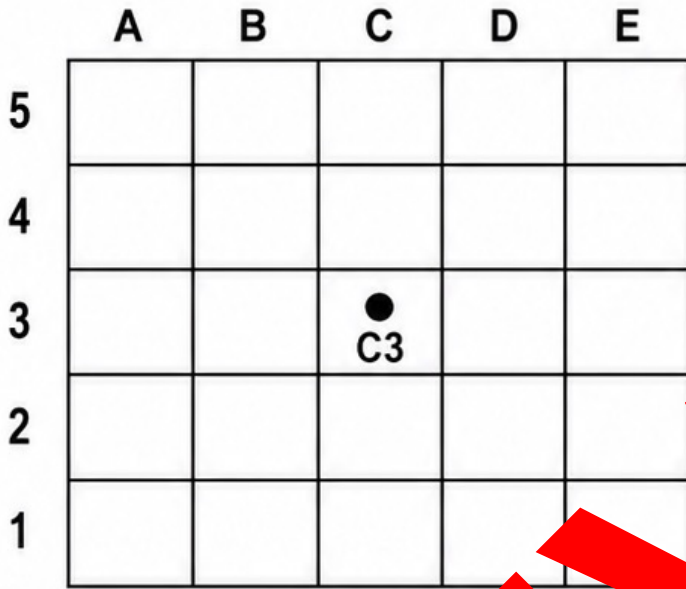
# FOLLOWING ROTATED COMPASS ROUTES - 1

Name: \_\_\_\_\_

Use the north arrow on each map.

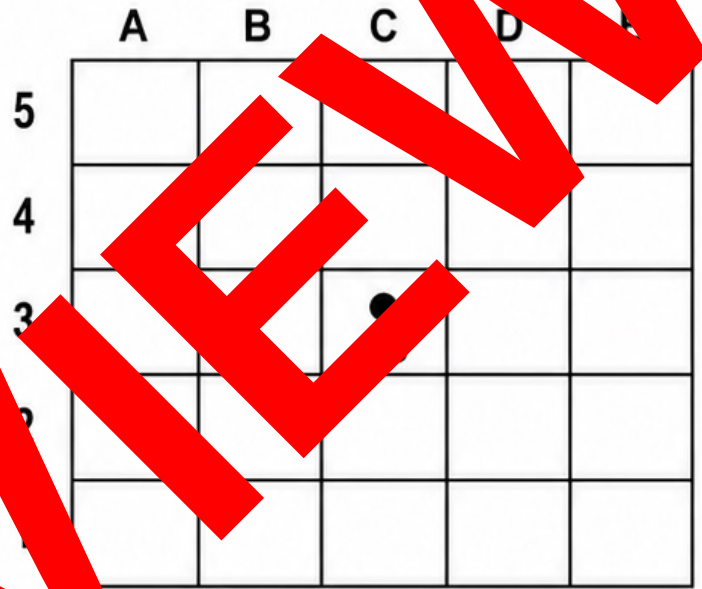
**A.** Move 2 East, then 1 North.

Finish: \_\_\_\_\_



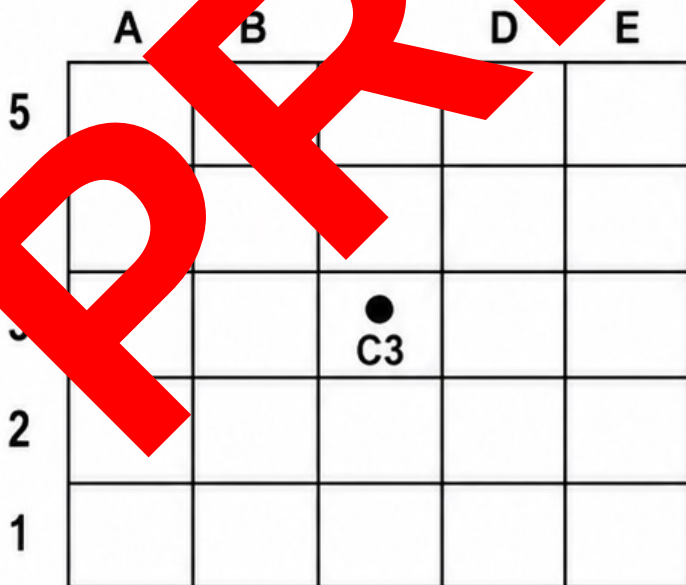
**B.** Move 2 North, then 1 East.

Finish: \_\_\_\_\_



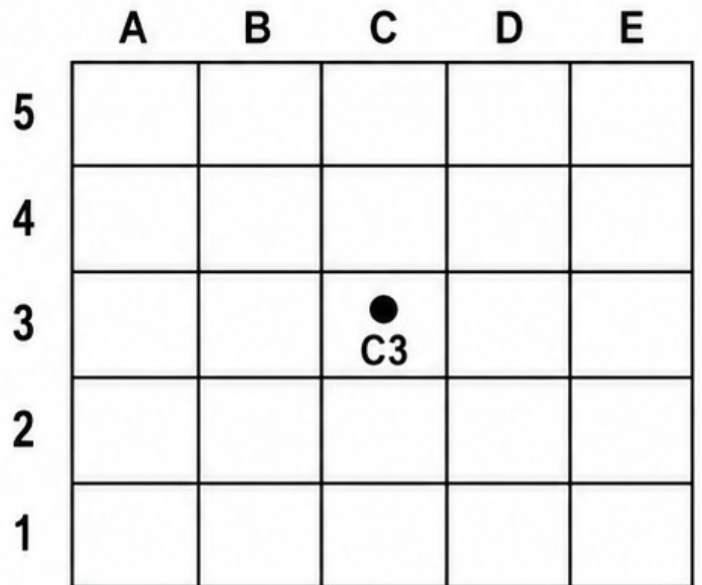
**C.** Move 2 North, then 1 East.

Finish: \_\_\_\_\_



**D.** Move 1 North, then 2 East.

Finish: \_\_\_\_\_



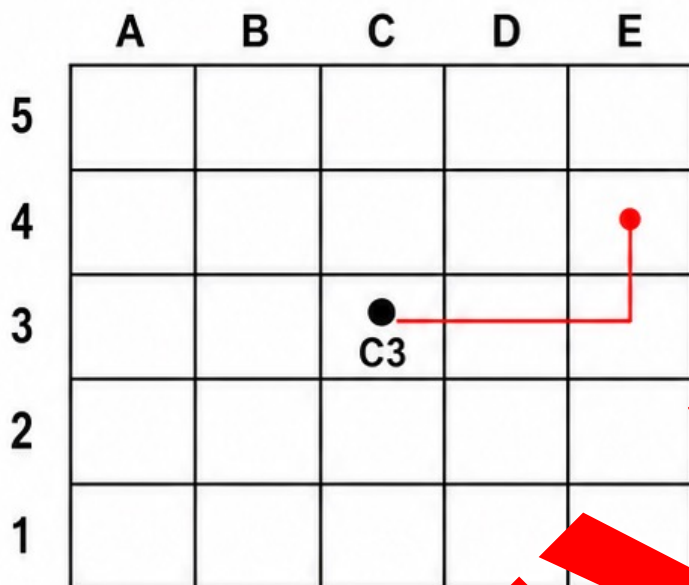
# FOLLOWING ROTATED COMPASS ROUTES - 1

Name: ANSWERS

Use the north arrow on each map.

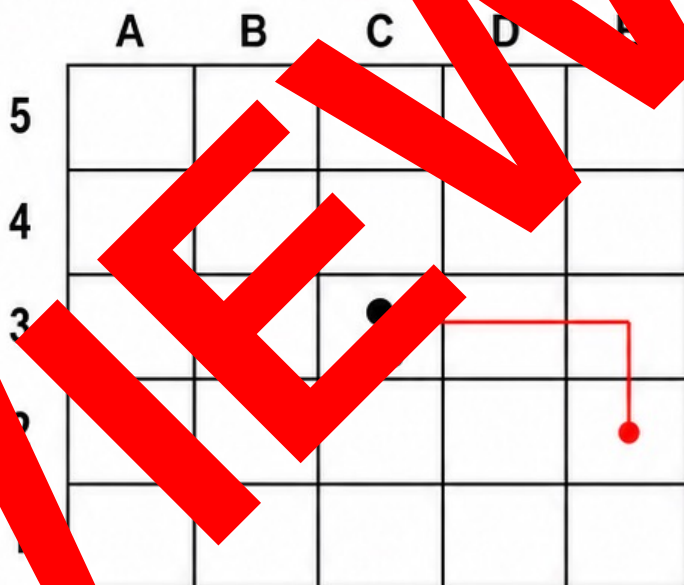
A. Move 2 East, then 1 North.

Finish: E4



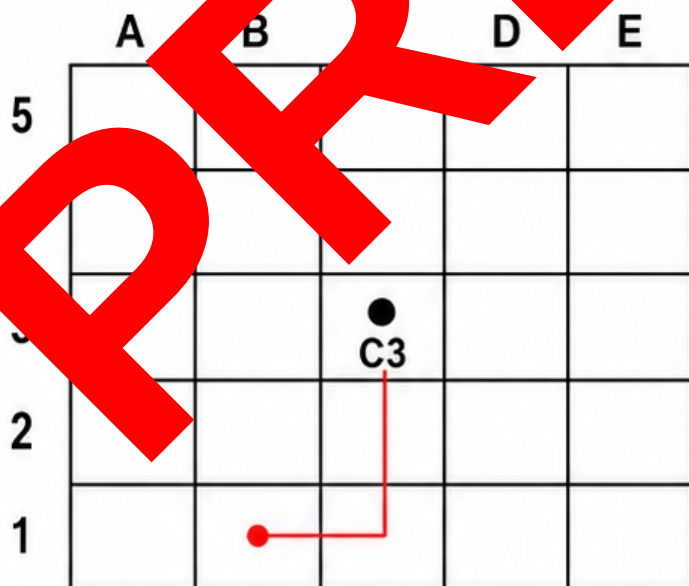
B. Move 2 North, then 1 East.

Finish: E2



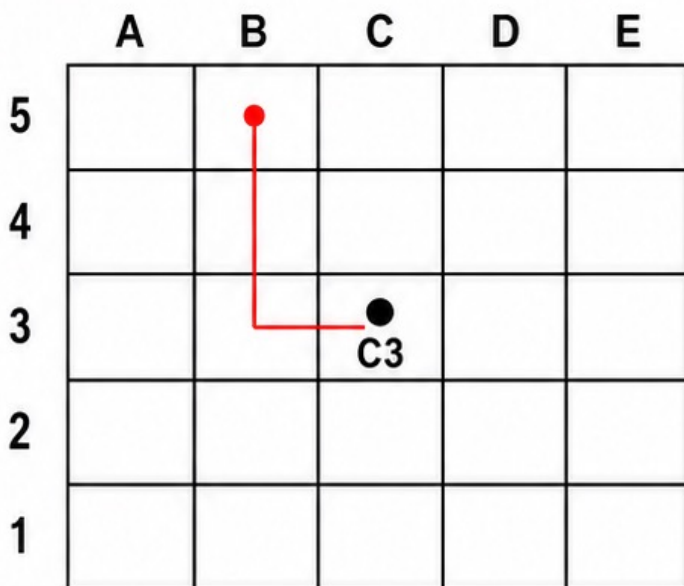
C. Move 2 North, then 1 East.

Finish: B1



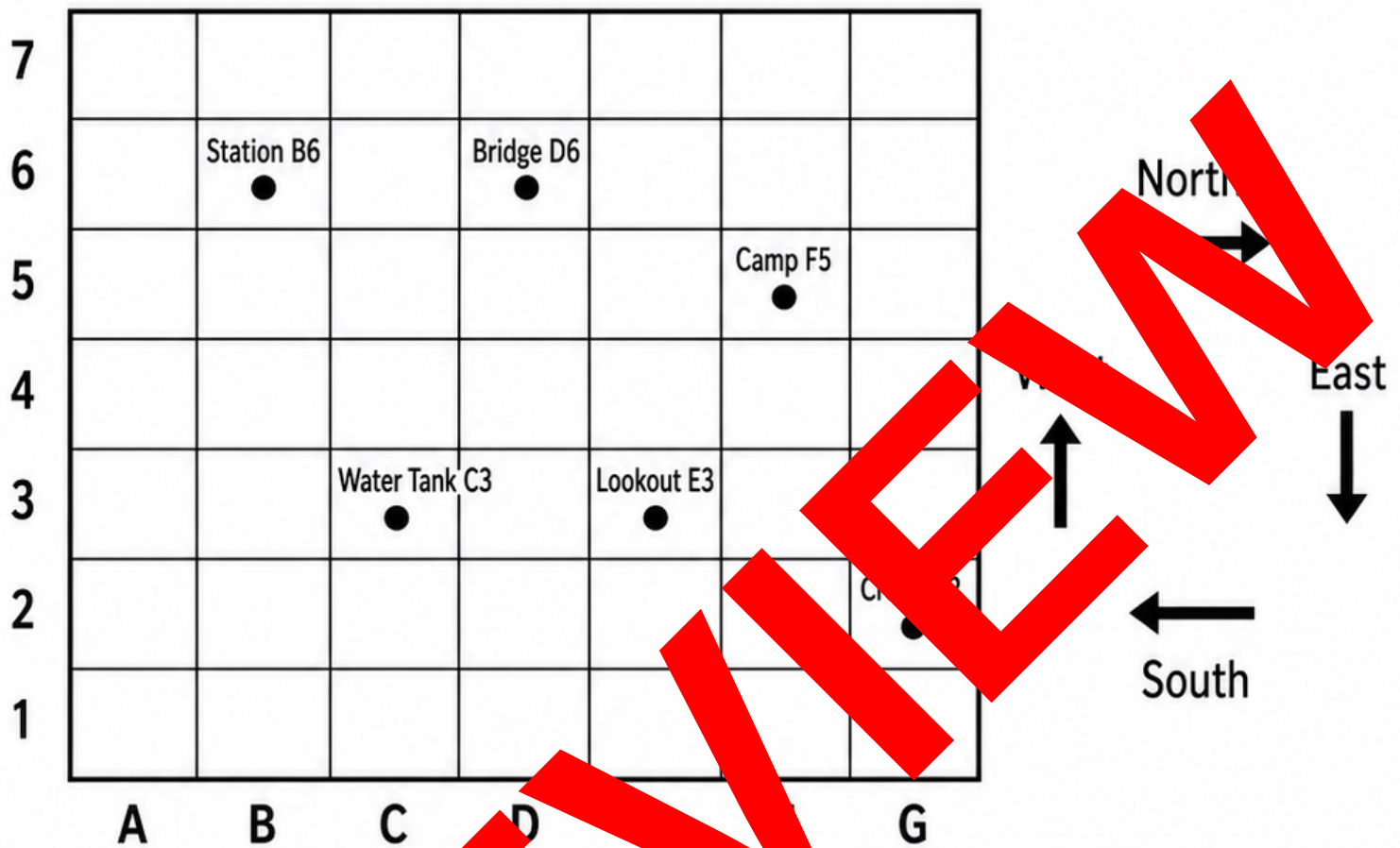
D. Move 1 North, then 2 East.

Finish: B5



# FOLLOWING ROTATED COMPASS ROUTES - 2

Name: \_\_\_\_\_



1. From Station B6 move 2 North, 3 East and 1 South.

Where do you finish? \_\_\_\_\_

2. What direction is Lookout E3 from Water Tank C3? \_\_\_\_\_

3. What direction is Bridge D6 from Station B6? \_\_\_\_\_

Write a route from Water Tank C3 to Camp F5.

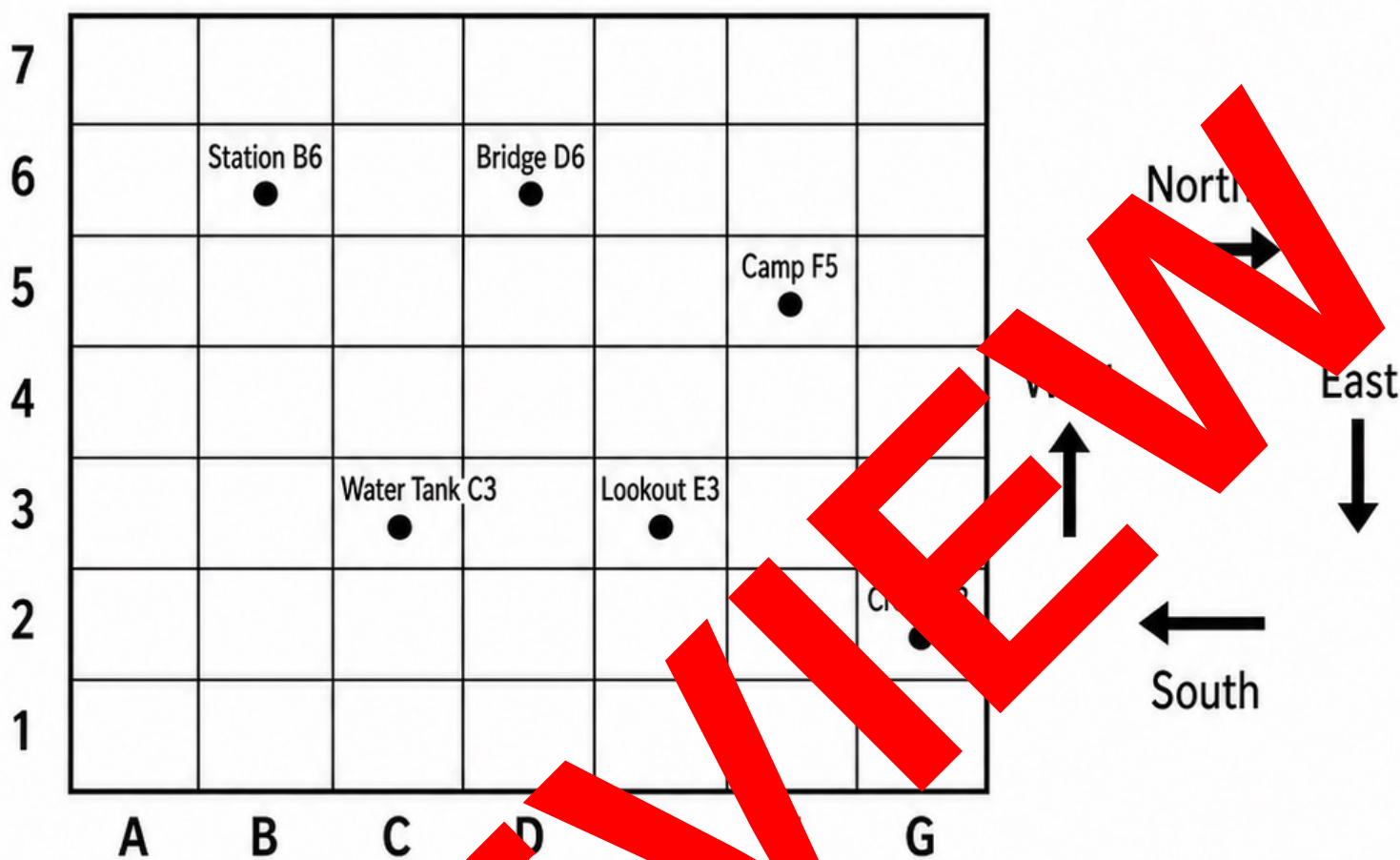
5. What is at G2? \_\_\_\_\_

6. Why must you check the north arrow before following a route?

\_\_\_\_\_

# FOLLOWING ROTATED COMPASS ROUTES - 2

Name: ANSWERS



1. From Station B6 move 2 North, 3 East and 1 South.

Where do you find Water Tank C3

2. What direction is Lookout E3 from Water Tank C3? North

3. What direction is Bridge D6 from Station B6? North

Write a route from Water Tank C3 to Camp F5.

2 squares North, then 2 squares West

5. What is at G2? Creek

6. Why must you check the north arrow before following a route?

North may not point to the top of the page.

# CREATE A NEIGHBOURHOOD GRID MAP - 1

Name: \_\_\_\_\_

|   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|
|   | A | B | C | D | E | F | G | H |
| 8 |   |   |   |   |   |   |   |   |
| 7 |   |   |   |   |   |   |   |   |
| 6 |   |   |   |   |   |   |   |   |
| 5 |   |   |   |   |   |   |   |   |
| 4 |   |   |   |   |   |   |   |   |
| 3 |   |   |   |   |   |   |   |   |
| 2 |   |   |   |   |   |   |   |   |
| 1 |   |   |   |   |   |   |   |   |

MAP TITLE



North Arrow

MAP KEY

|                          |       |
|--------------------------|-------|
| <input type="checkbox"/> | _____ |
| <input type="checkbox"/> | _____ |
| <input type="checkbox"/> | _____ |
| <input type="checkbox"/> | _____ |
| <input type="checkbox"/> | _____ |
| <input type="checkbox"/> | _____ |

STUDENT CHECKLIST

- ☐ Add Home, School, Park, Shop and one extra landmark.
- ☐ Complete the map key.
- ☐ Label every landmark.
- ☐ Choose and draw a north arrow.
- ☐ Mark a pathway from Home to Library.
- ☐ Challenge: make north point somewhere other than up.

# CREATE A NEIGHBOURHOOD GRID MAP - 2

Name: \_\_\_\_\_ Partner: \_\_\_\_\_

| Landmark | Grid reference |
|----------|----------------|
| Home     |                |
| School   |                |
| Library  |                |
| Park     |                |
| Shop     |                |

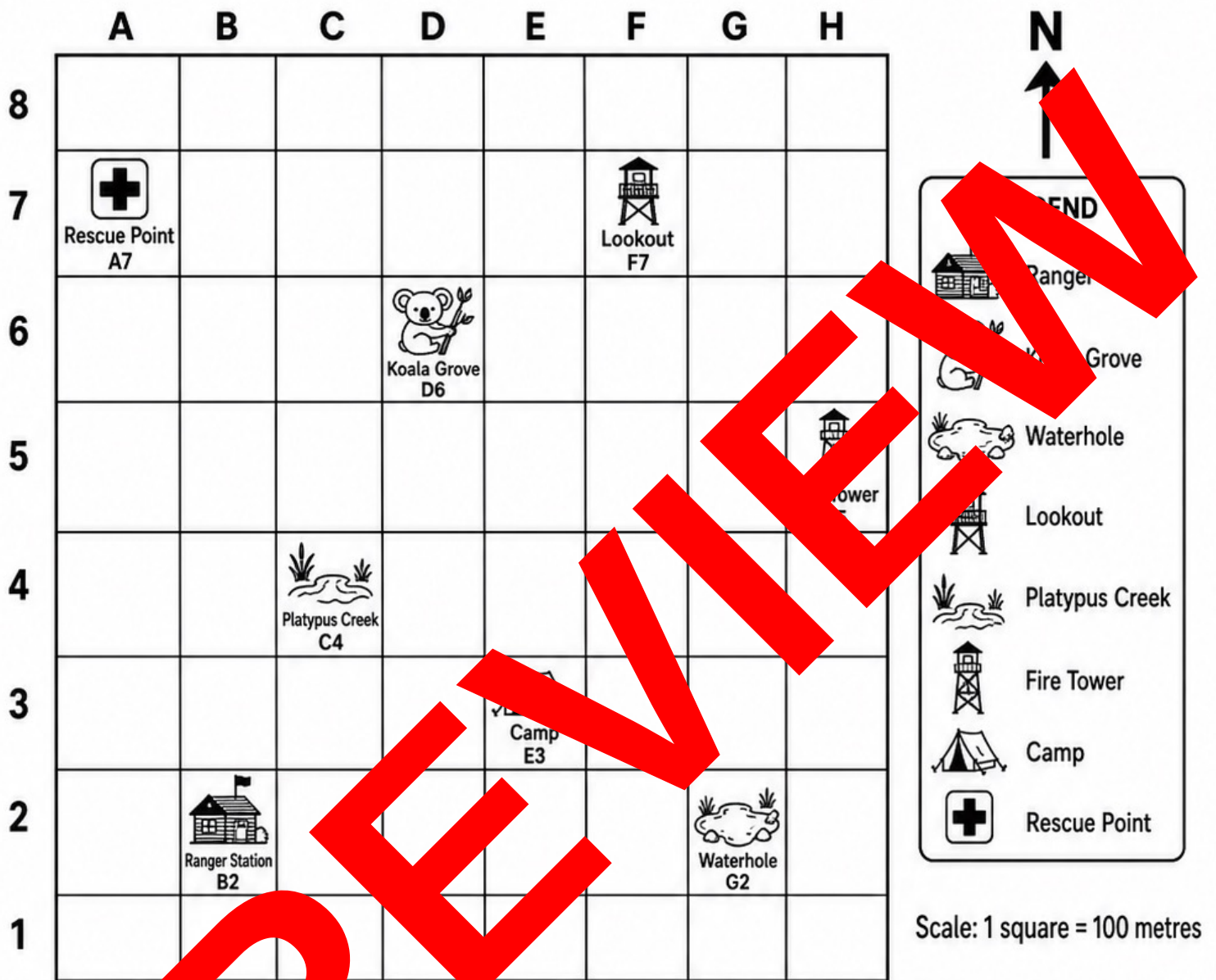
1. Move \_\_\_\_\_ squares \_\_\_\_\_.
2. Move \_\_\_\_\_ squares \_\_\_\_\_.
3. Move \_\_\_\_\_ squares \_\_\_\_\_.
4. Move \_\_\_\_\_ squares \_\_\_\_\_.
5. Move \_\_\_\_\_ squares \_\_\_\_\_.
6. Move \_\_\_\_\_ squares \_\_\_\_\_.
7. Move \_\_\_\_\_ squares \_\_\_\_\_.
8. Move \_\_\_\_\_ squares \_\_\_\_\_.

- ☐ I found the start.
- ☐ I followed every step.
- ☐ I reached the correct finish.
- ☐ The directions and distances were clear.

One change that would make my route clearer: \_\_\_\_\_

# WILDLIFE RANGER ROUTE PLANNER - ASSESSMENT 1

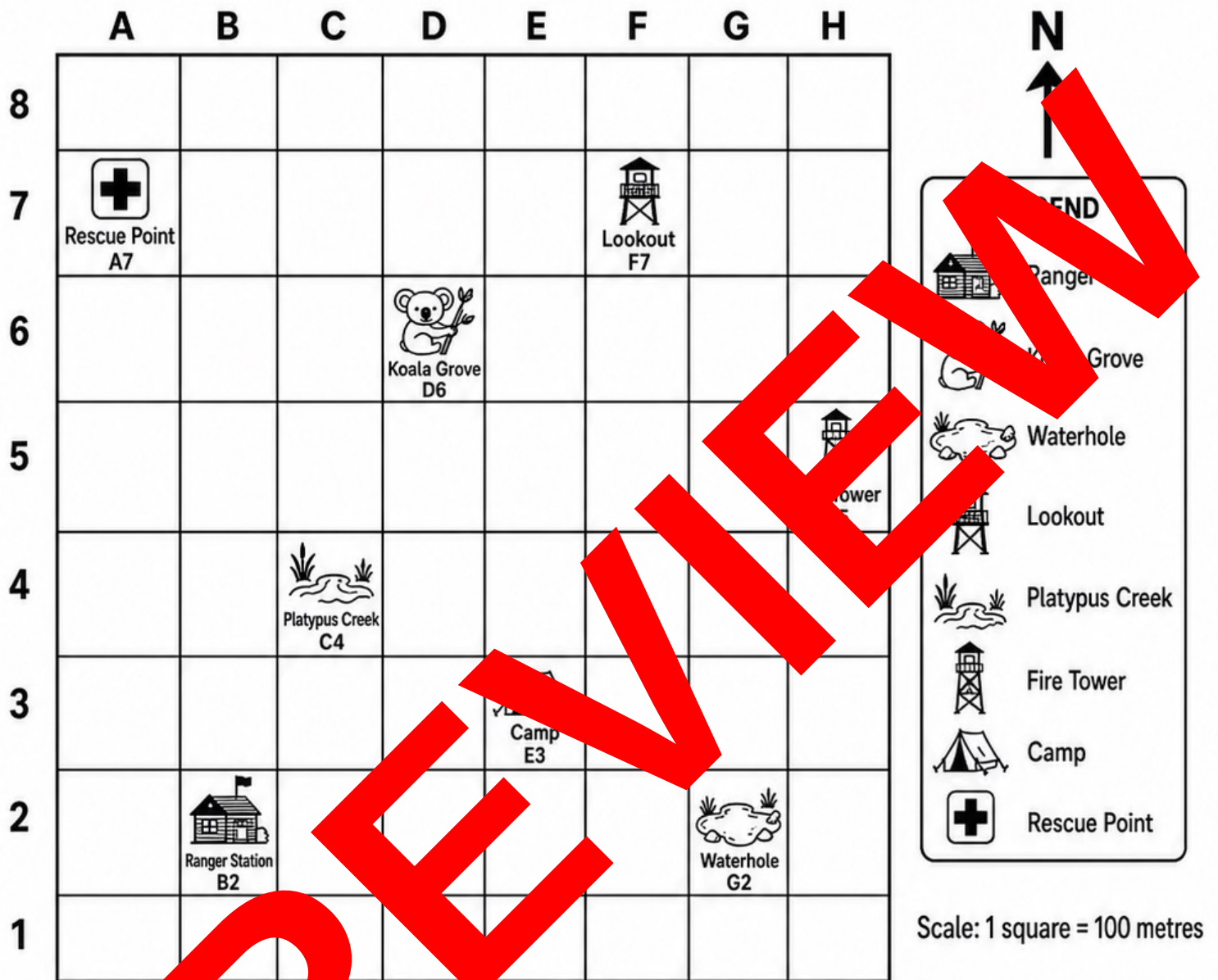
Name: \_\_\_\_\_



1. Give the reference for Koala Grove. \_\_\_\_\_
2. What is at G2? \_\_\_\_\_
3. What direction is Lookout F7 from Camp E3? \_\_\_\_\_
4. What direction is Waterhole G2 from Ranger Station B2? \_\_\_\_\_
5. From Ranger Station B2, move 1 square East and 2 squares North.  
Where do you finish? \_\_\_\_\_
6. How far is Ranger Station B2 from Waterhole G2 along row 2? \_\_\_\_\_ metres

# WILDLIFE RANGER ROUTE PLANNER - ASSESSMENT 1

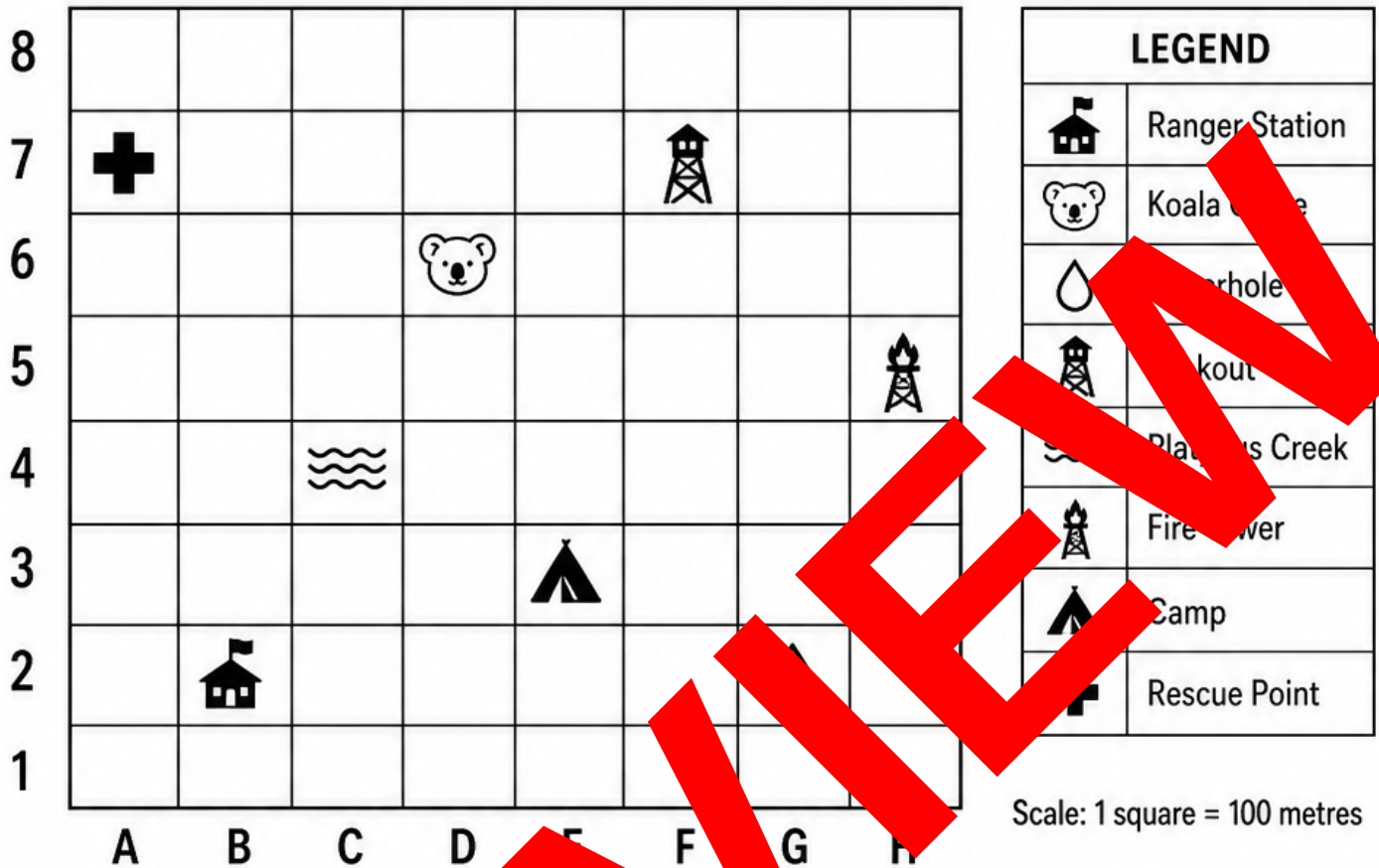
Name: ANSWERS



1. Give the reference for Koala Grove. D6
2. What is at G2? Waterhole
3. What direction is Lookout F7 from Camp E3? North-East
4. What direction is Waterhole G2 from Ranger Station B2? East
5. From Ranger Station B2, move 1 square East and 2 squares North.  
Where do you finish? Platypus Creek C4
6. How far is Ranger Station B2 from Waterhole G2 along row 2? 500 metres

# WILDLIFE RANGER ROUTE PLANNER - ASSESSMENT 2

Name: \_\_\_\_\_



7. Write a cardinal route from Rescue Point A7 to Waterhole G2. \_\_\_\_\_

8. Write the route from Ranger Station B2 to Camp E3. \_\_\_\_\_

9. Write the route from Camp E3 to Koala Grove D6. \_\_\_\_\_

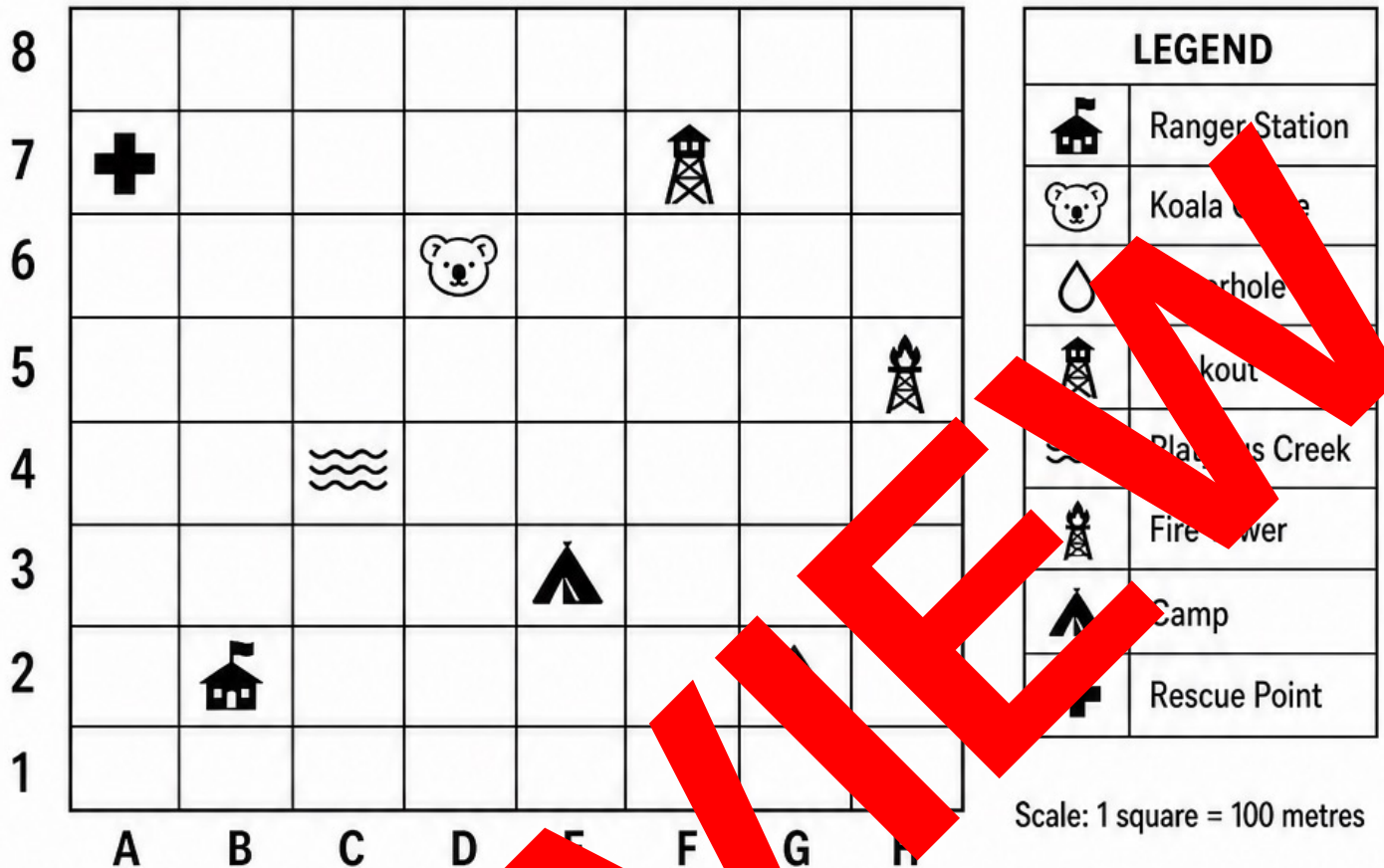
10. Write the route from Koala Grove D6 to Lookout F7. \_\_\_\_\_

11. The ranger says north is always at the top of every map. Explain the error. \_\_\_\_\_

12. Write a different accurate route from Ranger Station B2 to Lookout F7. \_\_\_\_\_

# WILDLIFE RANGER ROUTE PLANNER - ASSESSMENT 2

Name: ANSWERS



7. Write a cardinal route from Rescue Point A7 to Waterhole G2. 6 squares East, then 5 squares South

8. Write the route from Ranger Station B2 to Camp E3. 3 squares East, then 1 square North

9. Write the route from Camp E3 to Koala Grove D6. 1 square West, then 3 squares North

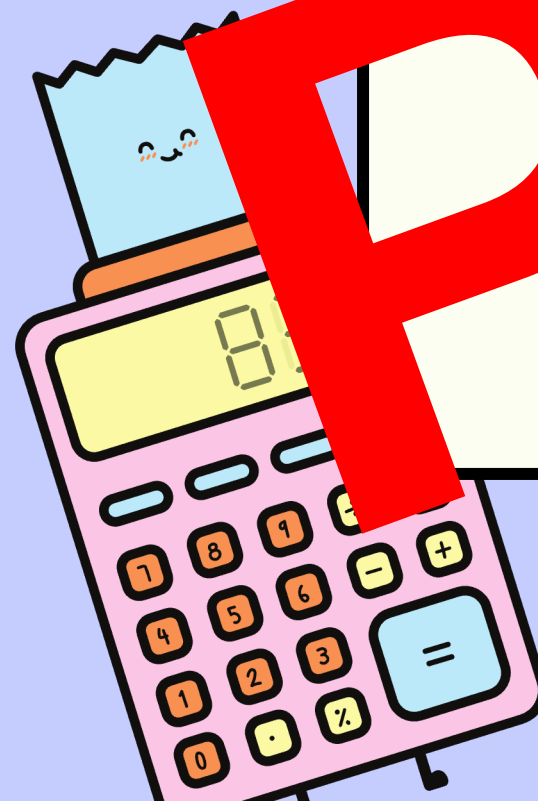
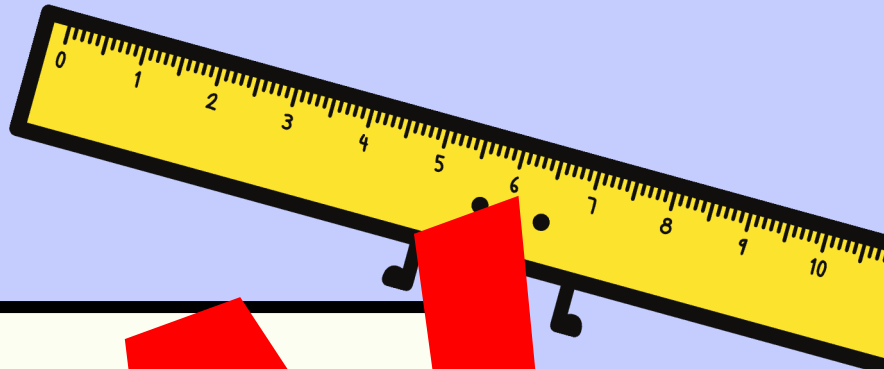
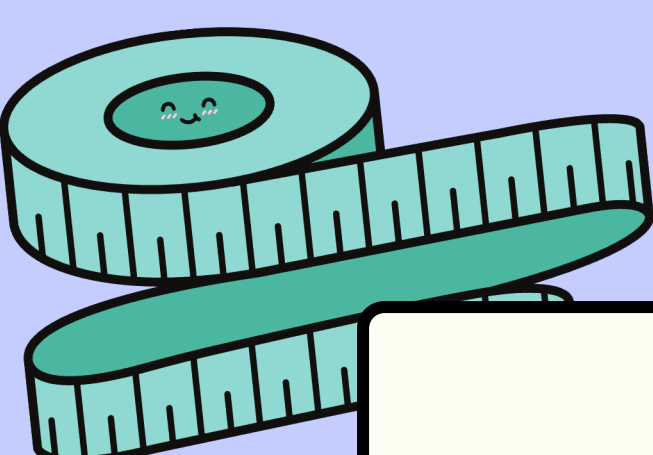
10. Write the route from Koala Grove D6 to Lookout F7. 2 squares East, then 1 square North

11. A ranger says north is always at the top of every map. Explain the error. North is shown by the map's north arrow and may point in another page direction.

12. Write a different accurate route from Ranger Station B2 to Lookout F7. One possible route: 4 squares East, 5 squares North.

# COMPASS DIRECTIONS YR 4 RUBRIC

| CRITERIA                                   | BEGINNING                                            | DEVELOPING                                                 | ACHIEVING                                              | CONFIDENT                                                     | EXCEEDING                                                       |
|--------------------------------------------|------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------|
| Locates positions with grid references     | Locates familiar positions with substantial support. | Locates some positions; may use letters and numbers.       | Accurately locates and records most grid references.   | Accurately locates and records grid references independently. | Applies grid references flexibly and explains the convention.   |
| Uses cardinal and intercardinal directions | Names some cardinal directions with support.         | Uses cardinal directions; intercardinal use is developing. | Uses cardinal and intercardinal directions accurately. | Selects precise directions across varied maps.                | Applies and justifies precise directions when north is rotated. |
| Follows multi-step pathways                | Follows one-step pathways with substantial support.  | Follows short pathways with occasional errors.             | Follows multi-step pathways accurately.                | Follows complex pathways and checks the finish.               | Follows, compares and verifies efficient pathways.              |
| Creates clear route instructions           | Records partial steps with substantial support.      | Names directions or distances, but not consistently both.  | Writes ordered steps with direction and distance.      | Writes precise, complete routes another person can follow.    | Creates efficient alternate routes and refines ambiguity.       |
| Explains and checks map reasoning          | Shares a simple observation with prompting.          | Gives a reason but checking is incomplete.                 | Explains route choices and uses a checking strategy.   | Explains reasoning and corrects errors independently.         | Compares methods, improves accuracy and generalises learning.   |



**PREVIEW**

Compass Directions

# LEARNING INTENTION

We are learning to locate positions and describe pathways on grid maps.

## SUCCESS LOOKS LIKE

- I use cardinal and intercardinal points.
- I read the letter first, then the number.
- I give clear direction-and-distance steps.



# WHY MAPS NEED DIRECTIONS

A map shows POSITION where something is.

A road sign shows a THING: how to move from start to finish.

Clear directions help another person arrive at the same place.



# CARDINAL POINTS

NORTH • EAST • SOUTH • WEST

Clockwise order: North, East, South, West.

Opposites: North and South; East and West.

Memory tip: Never Eat Soggy Weet-Bix!



# INTERCARDINAL POINTS

NORTH-EAST • SOUTH-EAST  
SOUTH-WEST • NORTH-WEST

Inter-cardinal points are halfway between two cardinal points.

Example: North-East is between North and East.



# CLOCKWISE & OPPOSITES

Eight-point clockwise order:

N → NE → E → SE → S → SW → W → NW

Opposite pairs:

N / S   E / W   NE / SW   SE / NW



# RELATIVE POSITION

Directional words compare one location with another.

If the library is above and right of the park,  
the library is North-East of the park.

Reverse the comparison: the park is South-West of the library.



# CHECK THE NORTH ARROW

North is NOT always at the top of a map.

Find the north arrow.

Use it to work out East, South and West.

Follow every direction using that map orientation.



# GRID REFERENCES

A grid reference names one square on a map.

READ THE LETTER FIRST, THEN THE NUMBER.

Example. C4 means column C, row 4.



# LOCATE A GRID SQUARE

To find E3:

1. Find column E.
2. Find row 3.

3. Follow both until they meet.

Check that the letter came before the number.



# DIRECTION + DISTANCE

Every route step needs TWO details

DIRECTION — which way to move

DISTANCE — how many squares to move

Clear example: Move 3 squares East.



# MULTI-STEP ROUTES

Follow the steps IN ORDER

Start at B.

Move 2 squares East to D2.

Move 3 squares North to D5.

Finish: D5



# DIAGONAL DIRECTIONS

Inter-cardinal moves travel diagonally.

One square north-east changes both the column and the row.

Diagonal directions can describe a position efficiently – but only when the task allows them.



# LEGEND & SCALE

A LEGEND explains map symbols.

A SCALE connects map squares to real distance.

Example: 1 square = 50 metres

4 squares = 200 metres



# WORKED SCHOOL ROUTE

North points up. Start at Gate B. Finish at Lin. ru. F4.

Clear cardinal route:

Move 4 squares East, then 3 squares North.

Check: B1 → F1 → F4



# CHECK YOUR ROUTE

START – Did I begin at the correct square?

STEPS – Did I keep the order?

TURN – Did I use the north arrow?

DISTANCE – Did I count every square?

FINISH – Did I reach the intended place?



# CREATE, SWAP & TEST

Create a route with at least 4 direction changes and 2 diagonal moves.

Swap maps with a partner.

Follow the route exactly.

Improve any unclear step together.

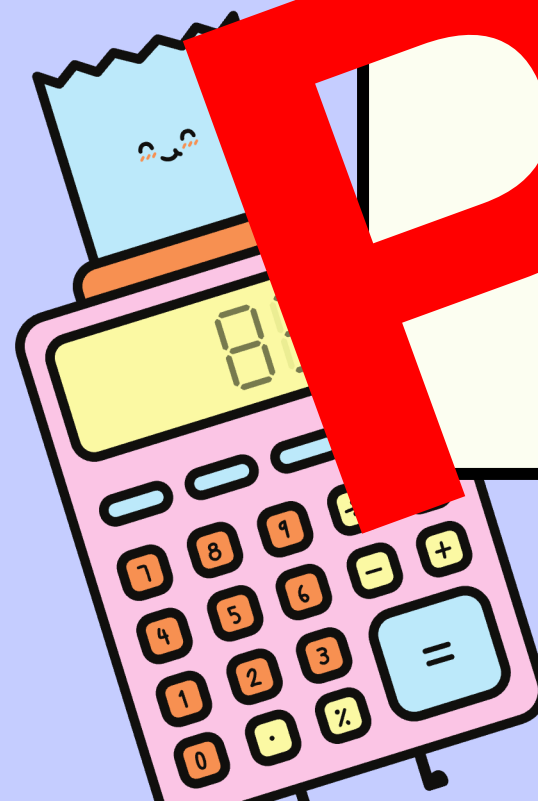
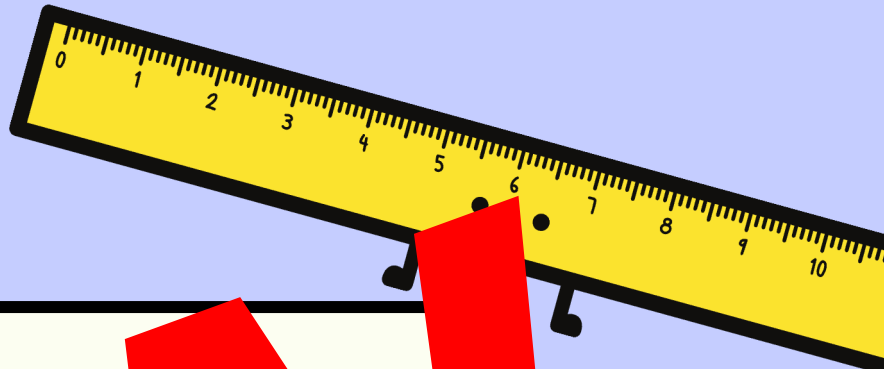
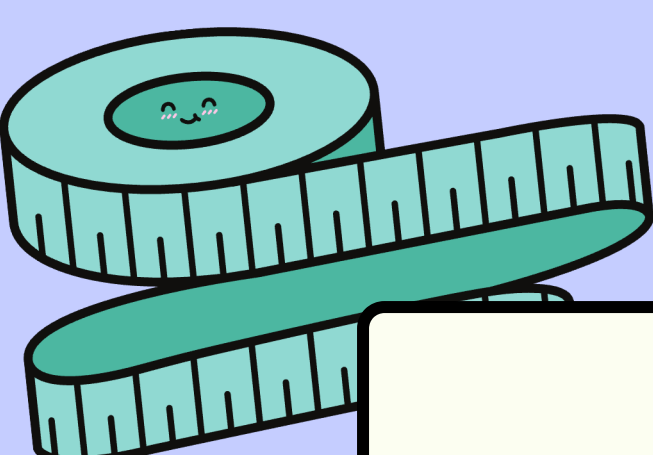
KEY WORDS: compass • grid reference • route • direction • distance • north  
arrow





Well Done!

**PREVIEW**



**PREVIEW**

Compass Directions Quiz

# QUESTION 1

Which direction is opposite east?

- A. North
- B. South
- C. West
- D. North-East



# ANSWER 1

**PREVIEW**

C. WEST

For and set in opposite directions.



## QUESTION 2

TRUE OR FALSE?

North is always a point to the top of a map.



## ANSWER 2

**PREVIEW**

ways check the north arrow before reading directions.



## QUESTION 3

Which direction is halfway between North and East?

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## ANSWER 3

**PREVIEW**

NORTH-EAST



## QUESTION 4

A location is in column C and row 4.  
Which grid reference is correct?

- A. C4   B. 4C   C. C-4   D. 3D



## ANSWER 4

B. 4

... the ... first, then the number.

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## QUESTION 5

TRUE OR FALSE?

When north is at the top, a point below and left of another point is South-West.



## ANSWER 5

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Below is South and left is West, so the combined direction is South-West.



## QUESTION 6

Start at B2. Move East to C2 then North to C3.

Where do you finish?



ANSWER 6

PREVIEW

C3



## QUESTION 7

Which instruction is heard?

- A. Go there
- B. Move a bit
- C. Move 3 squares East
- D. Turn somewhere



## ANSWER 7

MOVE 3 SQUARES EAST

It takes both direction and distance.

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## QUESTION 8

**PREVIEW**

Which direction is opposite South-West?



# ANSWER 8

PREVIEW

NORTH-EAST



## QUESTION 9

TRUE OR FALSE?

Move 1 square North and 1 square East. The finish is North-East of the start.



## ANSWER 9

**PREVIEW**

THE

The finish line is and right of the start.



## QUESTION 10

What should we need before following a route?

- A. Colour of the map
- B. North arrow and start point
- C. Page number
- D. Biggest landmark



## ANSWER 10

B. THE NORTH ARROW AND START POINT

They set the map orientation and the route beginning.





Well Done!

PREVIEW

