

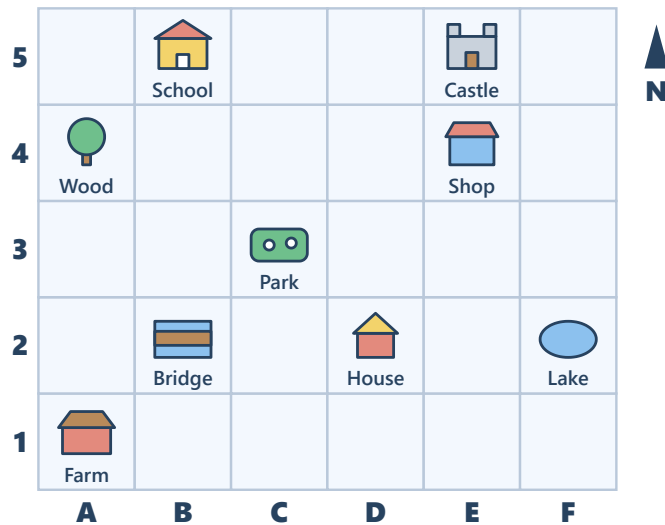
Year 4: Maps and compass directions: answers

Year 4 - Coordinates and Translation - Lesson 10.6

Answers. Final answers to the worksheet questions. Full step-by-step solutions for every question are free at websink.site/ks2-sats/maths/year-4/ch10-position-direction/maps-and-compass-directions/

Exercise 10F Maps, grid references and compass points Non-calculator

1 Write the grid reference of each place on the map of the village.



(a) The school

Answer: B5

(b) The lake

Answer: F2

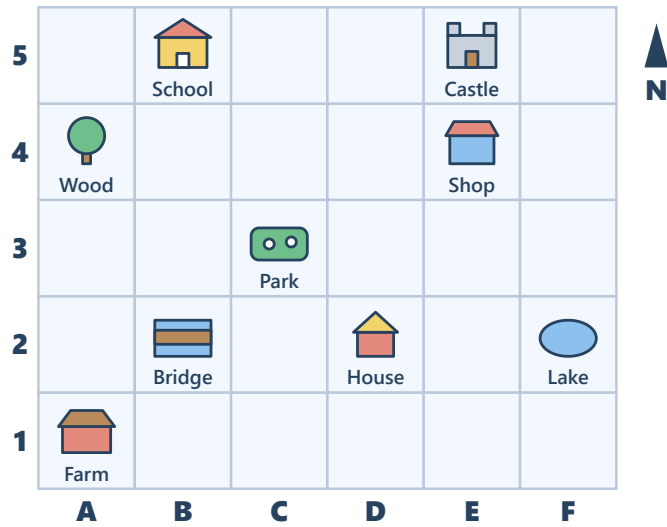
(c) The farm

Answer: A1

(d) The castle

Answer: E5

2 What is in each square of the village map? Write "nothing" if the square is empty.



(a) E4

Answer: The shop

(b) C3

Answer: The park

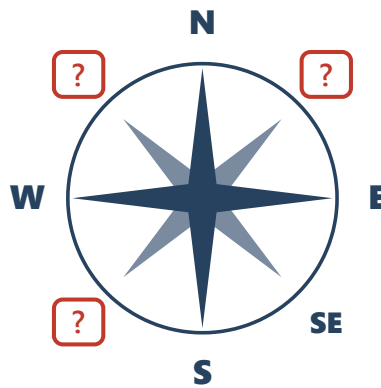
(c) D5

Answer: Nothing

(d) B2

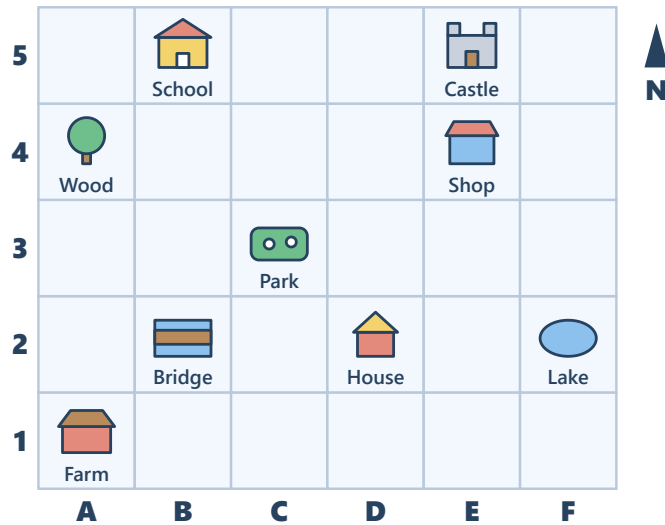
Answer: The bridge

3 Write the missing compass points in the boxes with a question mark.



Answer: NE, SW, NW

4 In which direction is the second place from the first place? Use the compass points N, NE, E, SE, S, SW, W or NW.



- (a) From the shop to the castle

Answer: north (N)

- (b) From the lake to the house

Answer: west (W)

- (c) From the wood to the school

Answer: north-east (NE)

5 Write the opposite direction.

- (a) South (S)

Answer: north (N)

- (b) North-east (NE)

Answer: south-west (SW)

- (c) West (W)

Answer: east (E)

- (d) South-east (SE)

Answer: north-west (NW)

6 Which way are you facing at the end?

- (a) Facing north (N), make a quarter turn clockwise.

Answer: east (E)

- (b) Facing east (E), make a half turn clockwise.

Answer: west (W)

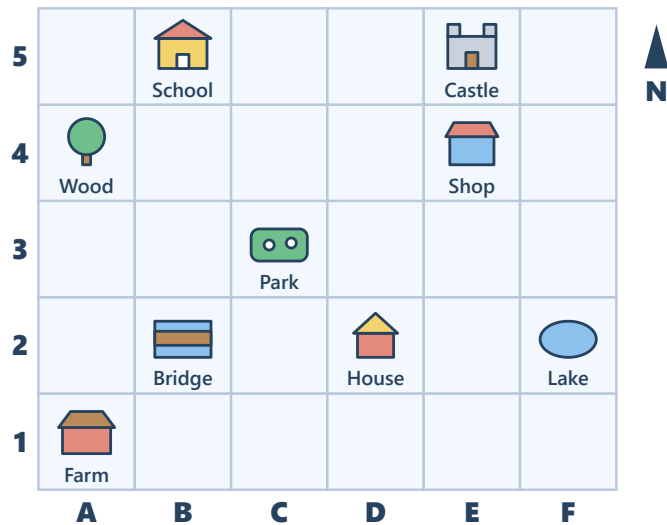
- (c) Facing south-west (SW), make a quarter turn anticlockwise.

Answer: south-east (SE)

- (d) Facing west (W), make a three-quarter turn clockwise.

Answer: south (S)

7 Start at the place and follow the directions. What do you find at the end?



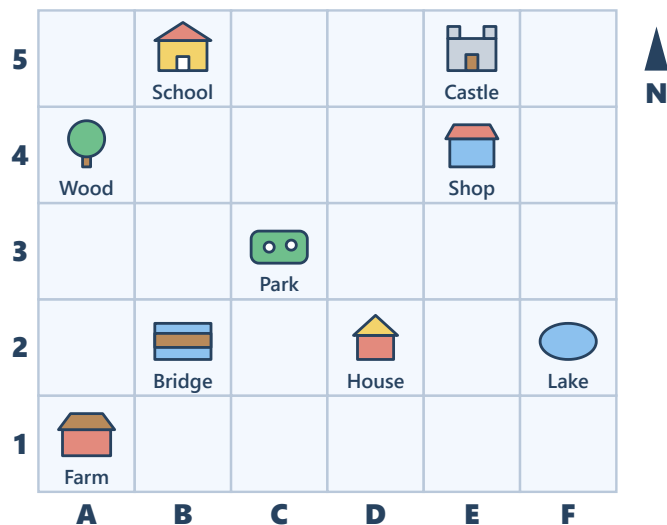
- (a) Start at the farm. Go 1 square north, then 1 square east.

Answer: The bridge

- (b) Start at the castle. Go 3 squares west, then 3 squares south.

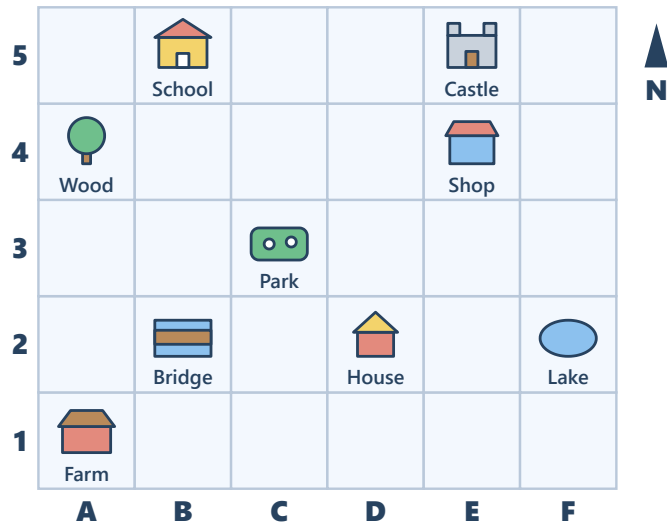
Answer: The bridge

8 Write directions to go from the school to the house. Say how many squares and which direction. (There is more than one right answer.)



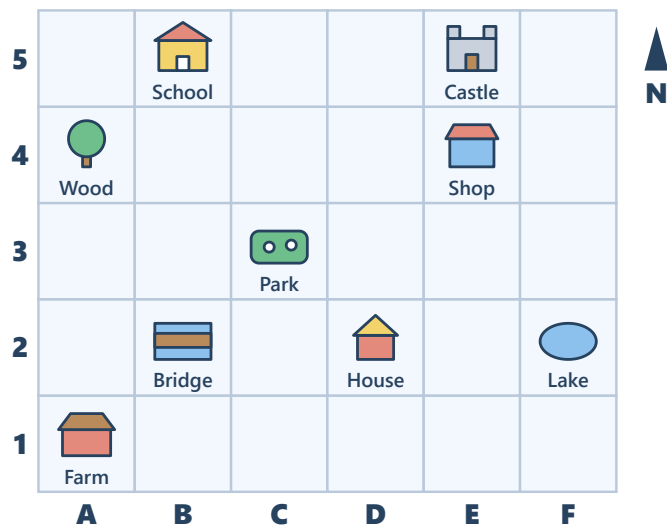
Answer: 2 squares east, then 3 squares south

9 Aisha says the grid reference of the lake is 2F. What has she done wrong? What is the correct grid reference?



Answer: She put the number first. It is F2

- 10 Mei says, "The castle is south of the shop." Is she right? Explain.



Answer: No. The castle is north of the shop

- 11 Write **always**, **sometimes** or **never** for each sentence.

(a) In a grid reference the letter comes first, then the number.

Answer: Always

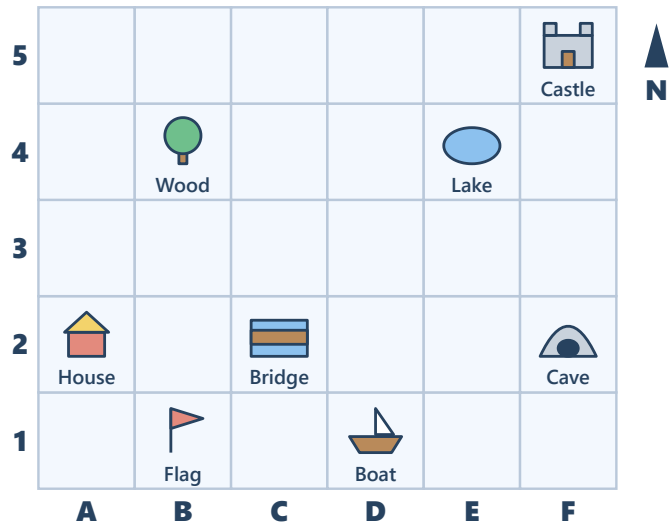
(b) If place A is north of place B, then place B is south of place A.

Answer: Always

(c) Two squares in the same column have the same letter in their grid reference.

Answer: Always

- 12 The treasure on the island is directly north of the boat and directly west of the lake. What is the grid reference of the treasure?



Answer: D4