6.4 Position, Direction and Turns: Test Pack

STA NC-KS1-MATHS-STA · Calculators not allowed · about 60 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A toy car sits on a table. The table has a window on its north side, and the car faces straight at the window. Which direction is the car facing? (north, south, east or west)

(1)

2 Stepping stones are numbered 1 to 20. A frog stands on stone 2. It hops forward 6 stones, then back 2 stones.

Which stone is the frog on now?

Answer: ___

(2)

3 Stepping stones are numbered 1 to 20. A rabbit stands on stone 6. It hops forward 2 stones, then back 1 stone.

Which stone is the rabbit on now?

Answer: ___

(2)

© Revision Library | revisionlibrary.co.uk

4 An arrow points to the right. Draw an arrow that points the opposite way. (Write left)

(1)

---

5 Four toy animals sit in a row from left to right: cow, cat, fish, hen.

Which toy is between the cat and the hen?

Answer: ___

(1)

---

6 Four toy animals sit in a row from left to right: cat, bird, dog, duck.

Which toy is between the bird and the duck?

Answer: ___

(1)

---

7 Stepping stones are numbered 1 to 20. A rabbit stands on stone 8. It hops forward 3 stones, then back 4 stones.

Which stone is the rabbit on now?

Answer: ___

(2)

© Revision Library | revisionlibrary.co.uk

8 Four toy animals sit in a row from left to right: dog, hen, cow, pig.

Which toy is between the hen and the pig?

Answer: ___

(1)

---

9 Four toy animals sit in a row from left to right: pig, bird, cat, rabbit.

Which toy is just to the right of the pig?

Answer: ___

(1)

---

10 Four toy animals sit in a row from left to right: cow, rabbit, bird, fish.

Which toy is between the rabbit and the fish?

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

11 Stepping stones are numbered 1 to 20. A kangaroo stands on stone 7. It hops forward 4 stones, then back 2 stones.

Which stone is the kangaroo on now?

Answer: ___

(2)

---

12 Stepping stones are numbered 1 to 20. A grasshopper stands on stone 12. It hops forward 2 stones, then back 5 stones.

Which stone is the grasshopper on now?

Answer: ___

(2)

---

13 A squirrel faces north. It turns a three quarter turn anticlockwise. Which way does it face now?

(1)

---

14 A cat is on a square mat. The cat is at the top left corner. Write where the cat is. (top left, top right, bottom left or bottom right)

(1)

© Revision Library | revisionlibrary.co.uk

15 A robot stands on a square grid at column 2, row 3 (columns go across, rows go up). It moves 2 squares up, then 3 squares down, then 2 squares right.

Which column and row is the robot on now? Write column then row.

Answer: column ___, row ___

(2)

---

16 Four toy animals sit in a row from left to right: dog, rabbit, cat, pig.

Which toy is just to the right of the dog?

Answer: ___

(1)

---

17 Four toy animals sit in a row from left to right: fish, pig, bird, hen.

Which toy is on the far right?

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

18 Four toy animals sit in a row from left to right: duck, cat, cow, rabbit.

Which toy is on the far right?

Answer: ___

(1)

---

19 Stepping stones are numbered 1 to 20. A kangaroo stands on stone 13. It hops forward 7 stones, then back 2 stones.

Which stone is the kangaroo on now?

Answer: ___

(2)

---

20 4 children stand in a line, from the front: Isla, Grace, Kiran, Hassan.

Who is second in the line?

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

21 Four toy animals sit in a row from left to right: pig, fish, bird, cow.

Which toy is just to the right of the pig?

Answer: ___

(1)

---

22 Four toy animals sit in a row from left to right: pig, duck, cow, hen.

Which toy is on the far left?

Answer: ___

(1)

---

23 Four toy animals sit in a row from left to right: hen, cow, bird, dog.

Which toy is just to the right of the hen?

Answer: ___

(1)

---

24 A girl is on a grid. She is in the middle square. She moves one square up and one square right. Where is she now? (top left, top right, bottom left or bottom right)

(1)

© Revision Library | revisionlibrary.co.uk

25 Four toy animals sit in a row from left to right: hen, fish, cat, duck.

Which toy is just to the right of the hen?

Answer: ___

(1)

---

26 Four toy animals sit in a row from left to right: hen, dog, cat, bird.

Which toy is on the far right?

Answer: ___

(1)

---

27 A turn from facing east back to facing east is what kind of turn? Write quarter, half or whole.

Answer: ___

(1)

---

28 Four toy animals sit in a row from left to right: bird, dog, hen, cat.

Which toy is on the far right?

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

29 Four toy animals sit in a row from left to right: duck, bird, pig, hen.

Which toy is between the bird and the hen?

Answer: ___

(1)

---

30 Four toy animals sit in a row from left to right: bird, hen, duck, dog.

Which toy is on the far right?

Answer: ___

(1)

---

31 7 children stand in a line, from the front: Reece, Mia, Layla, Victor, Callum, Willow, Ravi.

Who is second in the line?

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

32 Four toy animals sit in a row from left to right: bird, cat, dog, duck.

Which toy is on the far right?

Answer: ___

(1)

---

33 A robot stands on a square grid at column 1, row 3 (columns go across, rows go up). It moves 1 square left, then 3 squares up, then 2 squares right.

Which column and row is the robot on now? Write column then row.

Answer: column ___, row ___

(2)

© Revision Library | revisionlibrary.co.uk

Mark scheme · 6.4 Position, Direction and Turns: Test Pack

A correct answer earns full marks unless the question asks for working, a method, proof or explanation.

Question 1

north cao — **B1**

Answer: **north**

Question 2

2 + 6 = 8 seen — **M1**

6 cao — **A1**

Answer: **6**

Question 3

6 + 2 = 8 seen — **M1**

7 cao — **A1**

Answer: **7**

Question 4

left cao — **B1**

Answer: **left**

Question 5

fish cao — **B1**

Answer: **fish**

Question 6

dog cao — **B1**

Answer: **dog**

Question 7

8 + 3 = 11 seen — **M1**

7 cao — **A1**

Answer: **7**

Question 8

cow cao — **B1**

Answer: **cow**

Question 9

bird cao — **B1**

Answer: **bird**

Question 10

bird cao — **B1**

Answer: **bird**

Question 11

7 + 4 = 11 seen — **M1**

9 cao — **A1**

Answer: **9**

Question 12

12 + 2 = 14 seen — **M1**

9 cao — **A1**

Answer: **9**

Question 13

east cao — **B1**

Answer: **east**

Question 14

top left cao — **B1**

Answer: **top left**

Question 15

one move tracked correctly — **M1**

column 4, row 2 cao — **A1**

Answer: **column 4, row 2**

Question 16

rabbit cao — **B1**

Answer: **rabbit**

Question 17

hen cao — **B1**

Answer: **hen**

Question 18

rabbit cao — **B1**

Answer: **rabbit**

Question 19

13 + 7 = 20 seen — **M1**

18 cao — **A1**

Answer: **18**

Question 20

Grace cao — **B1**

Answer: **Grace**

Question 21

fish cao — **B1**

Answer: **fish**

Question 22

pig cao — **B1**

Answer: **pig**

Question 23

cow cao — **B1**

Answer: **cow**

Question 24

top right cao — **B1**

Answer: **top right**

© Revision Library | revisionlibrary.co.uk

Question 25

fish cao **B1**

Answer: **fish**

Question 26

bird cao **B1**

Answer: **bird**

Question 27

whole cao **B1**

Answer: **whole**

Question 28

cat cao **B1**

Answer: **cat**

Question 29

pig cao **B1**

Answer: **pig**

Question 30

dog cao **B1**

Answer: **dog**

Question 31

Mia cao **B1**

Answer: **Mia**

Question 32

duck cao **B1**

Answer: **duck**

Question 33

one move tracked correctly **M1**

column 2, row 6 cao **A1**

Answer: **column 2, row 6**

© Revision Library | revisionlibrary.co.uk