

dMAT Core Module

Latin Squares Practice Set

10 practice questions with 5x5 grid puzzles and a full answer key

Format: 10 questions | Recommended time: 12 minutes | Each letter A-E appears exactly once in every row and column.
No calculator, notes, or rough paper allowed on the real exam.

- In every grid, each letter A to E appears exactly once in every row and every column.
- Work out which letter belongs in the highlighted cell (marked with a ?).
- Answers and full explanations are on the last page.

Question 1

A	B	C	D	E
B	C	D	E	A
C	D	?	A	B
D	E	A	B	C
E	A	B	C	D

Question 2

B	C	D	?	A
C	D	E	A	B
D	E	A	B	C
E	A	B	C	D
A	B	C	D	E

Question 3

C	D	E	A	B
D	E	A	B	C
E	A	B	C	D
A	?	C	D	E
B	C	D	E	A

Question 4

D	E	A	B	C
E	A	B	C	D
A	B	C	D	E
B	C	D	E	A
C	D	E	A	?

Question 5

E	A	B	C	D
?	B	C	D	E
B	C	D	E	A
C	D	E	A	B
D	E	A	B	C

Question 6

?	B	C	D	E
B	C	D	E	A
C	D	E	A	B
D	E	A	B	C
E	A	B	C	D

Question 7

B	C	D	E	A
C	D	E	A	B
D	E	A	B	C
E	A	B	?	D
A	B	C	D	E

Question 8

C	D	E	A	B
D	E	A	B	C
E	A	B	C	?
A	B	C	D	E
B	C	D	E	A

Question 9

D	E	A	B	C
E	A	?	C	D
A	B	C	D	E
B	C	D	E	A
C	D	E	A	B

Question 10

E	A	B	C	D
A	B	C	D	E
B	C	D	E	A
C	D	E	A	B
D	?	A	B	C

Answer Key & Explanations

Question 1 Answer: E

A	B	C	D	E
B	C	D	E	A
C	D	E	A	B
D	E	A	B	C
E	A	B	C	D

The highlighted cell's row and column are both missing only **E**, so that is the only letter that satisfies the Latin square rule for this position. Find the row or column with only one missing letter first, then eliminate letters already present in the same row and column to confirm your answer.

Question 2 Answer: E

B	C	D	E	A
C	D	E	A	B
D	E	A	B	C
E	A	B	C	D
A	B	C	D	E

The highlighted cell's row and column are both missing only **E**, so that is the only letter that satisfies the Latin square rule for this position. Find the row or column with only one missing letter first, then eliminate letters already present in the same row and column to confirm your answer.

Question 3 Answer: B

C	D	E	A	B
D	E	A	B	C
E	A	B	C	D
A	B	C	D	E
B	C	D	E	A

The highlighted cell's row and column are both missing only **B**, so that is the only letter that satisfies the Latin square rule for this position. Find the row or column with only one missing letter first, then eliminate letters already present in the same row and column to confirm your answer.

Question 4 Answer: B

D	E	A	B	C
E	A	B	C	D
A	B	C	D	E
B	C	D	E	A
C	D	E	A	B

The highlighted cell's row and column are both missing only **B**, so that is the only letter that satisfies the Latin square rule for this position. Find the row or column with only one missing letter first, then eliminate letters already present in the same row and column to confirm your answer.

Question 5 Answer: A

E	A	B	C	D
A	B	C	D	E
B	C	D	E	A
C	D	E	A	B
D	E	A	B	C

The highlighted cell's row and column are both missing only **A**, so that is the only letter that satisfies the Latin square rule for this position. Find the row or column with only one missing letter first, then eliminate letters already present in the same row and column to confirm your answer.

Question 6 Answer: A

A	B	C	D	E
B	C	D	E	A
C	D	E	A	B
D	E	A	B	C
E	A	B	C	D

The highlighted cell's row and column are both missing only **A**, so that is the only letter that satisfies the Latin square rule for this position. Find the row or column with only one missing letter first, then eliminate letters already present in the same row and column to confirm your answer.

Question 7 Answer: C

B	C	D	E	A
C	D	E	A	B
D	E	A	B	C
E	A	B	C	D
A	B	C	D	E

The highlighted cell's row and column are both missing only **C**, so that is the only letter that satisfies the Latin square rule for this position. Find the row or column with only one missing letter first, then eliminate letters already present in the same row and column to confirm your answer.

Question 8 Answer: D

C	D	E	A	B
D	E	A	B	C
E	A	B	C	D
A	B	C	D	E
B	C	D	E	A

The highlighted cell's row and column are both missing only **D**, so that is the only letter that satisfies the Latin square rule for this position. Find the row or column with only one missing letter first, then eliminate letters already present in the same row and column to confirm your answer.

Question 9 Answer: B

D	E	A	B	C
E	A	B	C	D
A	B	C	D	E
B	C	D	E	A
C	D	E	A	B

The highlighted cell's row and column are both missing only **B**, so that is the only letter that satisfies the Latin square rule for this position. Find the row or column with only one missing letter first, then eliminate letters already present in the same row and column to confirm your answer.

Question 10 Answer: E

E	A	B	C	D
A	B	C	D	E
B	C	D	E	A
C	D	E	A	B
D	E	A	B	C

The highlighted cell's row and column are both missing only **E**, so that is the only letter that satisfies the Latin square rule for this position. Find the row or column with only one missing letter first, then eliminate letters already present in the same row and column to confirm your answer.