

Recognize perfect squares and their roots

NAME	DATE	SCORE / 10
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1 Is 82 a perfect square? If it is, what is its square root?

- ☐ Yes, its square root is 10
 ☐ Yes, its square root is 41
 ☐ Yes, its square root is 9
☐ No, it is not a perfect square

2 Dev has 82 square tiles. Can Dev use all of them to make one big square? If so, how many tiles are on each side?

- ☐ Yes, with 9 tiles on each side
 ☐ Yes, with 10 tiles on each side
☐ Yes, with 41 tiles on each side
☐ No, the tiles cannot make a square

3 Write a perfect square from 109 to 148.

4 Is 121 a perfect square? If it is, what is its square root?

- ☐ No, it is not a perfect square
 ☐ Yes, its square root is 10
 ☐ Yes, its square root is 12
☐ Yes, its square root is 11

5 Ana has 81 square tiles. Can Ana use all of them to make one big square? If so, how many tiles are on each side?

- ☐ No, the tiles cannot make a square
 ☐ Yes, with 8 tiles on each side
☐ Yes, with 10 tiles on each side
☐ Yes, with 9 tiles on each side

6 Write a perfect square from 33 to 76.

7

Is 81 a perfect square? If it is, what is its square root?

- ☐ Yes, its square root is 8 ☐ No, it is not a perfect square ☐ Yes, its square root is 10
☐ Yes, its square root is 9
-

8

Maya has 82 square tiles. Can Maya use all of them to make one big square? If so, how many tiles are on each side?

- ☐ Yes, with 9 tiles on each side ☐ Yes, with 10 tiles on each side
☐ Yes, with 41 tiles on each side ☐ No, the tiles cannot make a square
-

9

Is 100 a perfect square? If it is, what is its square root?

- ☐ Yes, its square root is 50 ☐ No, it is not a perfect square ☐ Yes, its square root is 10
☐ Yes, its square root is 11
-

10

Is 64 a perfect square? If it is, what is its square root?

- ☐ Yes, its square root is 9 ☐ Yes, its square root is 8 ☐ No, it is not a perfect square
☐ Yes, its square root is 32

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1 No, it is not a perfect square

3 121

Any one of these is right too: 144.

5 Yes, with 9 tiles on each side

7 Yes, its square root is 9

9 Yes, its square root is 10

2 No, the tiles cannot make a square

4 Yes, its square root is 11

6 36

Any one of these is right too: 49, 64.

8 No, the tiles cannot make a square

10 Yes, its square root is 8