Name



Squares and Square Roots - Practice

1 Find the answer when this number is raised to its exponent

$$5^2$$

A	B	C
625	25	5
D	E	F
7	1	125

2 Find the answer when this number is raised to its exponent

$$12^2$$

A	B
141	1
C	D
144	1,728
E	F
12	20,736

3 How can this perfect square be represented as a squared integer?

$$100$$

A	B	C
13^2	6^2	11^2
D	E	F
9^2	12^2	10^2

4 How can this perfect square be represented as a squared integer?

$$121$$

A	B	C
14^2	13^2	11^2
D	E	F
10^2	9^2	8^2

5 What is the correct comparison symbol (<, >, or =)?

$$12^2 \bigcirc 145$$
$$<, >, or =?$$

A	B
=	>
C	
<	

6 What is the correct comparison symbol (<, >, or =)?

$$10^2 \bigcirc 98$$
$$<, >, or =?$$

A	B
>	<
C	
=	

7 Find the integer that can be squared to give the perfect square shown

$$?^2 = 25$$

A	B	C
9	2	4
D	E	F
5	676	8

8 Find the integer that can be squared to give the perfect square shown

$$?^2 = 100$$

A	B
9	7
C	D
12	10
E	F
10,000	9,801

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9 Find the square root of the given perfect square

$$\sqrt{121}$$

A 12	B 14,884
C 15,625	D 14,641
E 11	F 8

10 Find the square root of the given perfect square

$$\sqrt{169}$$

A 29,584	B 14
C 13	D 27,556
E 16	F 10

11 Which of these numbers is NOT a perfect square?

43, 49, 64, 81

A 49	B 64
C 43	D 81

12 Is this number a perfect square?

81

A Not a Perfect Square
B Perfect Square

13 Is this number a perfect square?

114

A Perfect Square
B Not a Perfect Square

14 Find the perfect square that is missing from the sequence

?, 49, 64

A 38	B 39	C 34
D 37	E 36	F 33

15 Find the perfect square that is missing from the sequence

81, ?, 121

A 99	B 98	C 97
D 101	E 102	F 100

16 Find the perfect square that is missing from the sequence

36, 49, ?

A 67	B 64	C 66
D 65	E 61	F 62

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17 Solve for the variable in the equation

$$m^2 = 9$$

A m = 5	B m = 3	C m = 6
D m = 4	E m = 1	F m = 2

18 What is a good approximation for the second square

$$9^2 = 81$$
$$9.1^2 \approx ?$$

A 71	B 95	C 92
D 74	E 89	F 83

19 Solve for the variable in the equation

$$b^2 = 49$$

A b = 9	B b = 10
C b = 8	D b = 5
E b = 7	F b = 6

20 What is a good approximation for the second square

$$12^2 = 144$$
$$12.2^2 \approx ?$$

A 141	B 149	C 157
D 165	E 133	F 137

21 Solve for the variable in the equation

$$\sqrt{m} = 2$$

A m = 16	B m = 4
C m = 23	D m = 22
E m = 12	F m = 13

22 Solve for the variable in the equation

$$\sqrt{b} = 6$$

A b = 40	B b = 36
C b = 46	D b = 52
E b = 43	F b = 33

23 Solve for the variable in the equation

$$\sqrt{d} = 2$$

A d = 8	B d = 7
C d = 4	D d = 9
E d = 1	F d = 10

24 Solve for the variable in the equation

$$y^2 = 49$$

A y = 9	B y = 7
C y = 10	D y = 8
E y = 5	F y = 6

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Squares and Square Roots - Practice

25 Find the perfect square that is missing from the sequence

$1^2 = 1$
$2^2 = ?$
$3^2 = 9$

A	B	C
6	4	2
D	**E**	**F**
5	1	7

26 Find the perfect square that is missing from the sequence

$3^2 = ?$
$4^2 = 16$
$5^2 = 25$

A	B	C
8	10	11
D	**E**	**F**
12	9	7

27 Find the perfect square that is missing from the sequence

$3^2 = 9$
$4^2 = 16$
$5^2 = ?$

A	B	C
24	23	22
D	**E**	**F**
25	27	26

28 Find the perfect square that is missing from the sequence

$5^2 = 25$
$6^2 = 36$
$7^2 = ?$

A	B	C
49	48	52
D	**E**	**F**
47	50	46

29 Find the closest perfect square below the given number

$\bigcirc < 6$

A	B	C
2	4	8
D	**E**	
1	6	

30 Find the closest perfect square below the given number

$\bigcirc < 31$

A	B	C
27	21	25
D	**E**	**F**
29	23	16

31 Find the closest perfect square above the given number

$2 < \bigcirc$

A	B	C
22	16	14
D	**E**	**F**
12	8	4

32 Find the closest perfect square above the given number

$68 < \bigcirc$

A	B	C
93	95	69
D	**E**	**F**
91	81	85

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33 Find the closest perfect squares above and below the given number

$$\bigcirc < 12 < \bigcirc$$

A 9, 34	B 9, 14	C 9, 25
D 5, 16	E 9, 16	F 7, 20

34 Find the closest perfect squares above and below the given number

$$\bigcirc < 2 < \bigcirc$$

A 1, 16	B 1, 20	C 1, 10
D 1, 4	E 1, 9	F 1, 8

35 Find the closest perfect squares above and below the given number

$$\bigcirc < 2.3^2 < \bigcirc$$

A 4, 9	B 2, 25	C 4, 23
D 2, 13	E 4, 11	F 4, 16

36 Find the closest perfect squares above and below the given number

$$\bigcirc < 6.7^2 < \bigcirc$$

A 34, 49	B 36, 47
C 36, 49	D 25, 49
E 32, 53	F 36, 64

37 Find the closest perfect square roots above and below the given square root

$$\sqrt{?} < \sqrt{22} < \sqrt{?}$$

A 14, 35	B 20, 33
C 18, 35	D 9, 25
E 16, 29	F 16, 25

38 Find the closest perfect square roots above and below the given square root

$$\sqrt{?} < \sqrt{74} < \sqrt{?}$$

A 64, 81	B 66, 81
C 66, 91	D 64, 100
E 68, 79	F 66, 75

39 Find the closest integers to the given square root

$$\bigcirc < \sqrt{58} < \bigcirc$$

A 7, 8	B 4, 5	C 5, 6
D 9, 10	E 6, 7	F 8, 9

40 Find the best approximation of the given square root

$$\sqrt{87}$$

A 9.3	B 7.1	C 10.8
D 8.6	E 10.1	F 11.6