

Estimate square roots

- 1** How can this perfect square be represented as a squared integer?
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A 6^2	B 2^2	C 4^2
D 5^2	E 8^2	F 1^2

- 2** Find the integer that can be squared to give the perfect square shown
 $?^2 = 4$

A 2	B 1	C 5
D 6	E 64	F 9

- 3** Find the square root of the given perfect square
 $\sqrt{49}$

A 2,704	B 7	C 5
D 3	E 2,304	F 2,209

- 4** Simplify the radical
 $\sqrt{16}$

A 6	B 5	C 4
D 1	E 3	

- 5** Simplify the radical
 $\sqrt{3 \cdot 3}$

A $\sqrt{3}$	B 2
C 1	D 3

- 6** Simplify the radical
 $\sqrt{2^2 \cdot 2^2}$

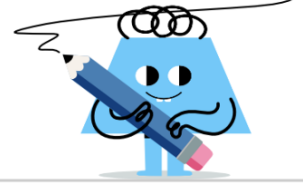
A 7	B $\sqrt{2}$	C $5\sqrt{2}$
D 4	E 5	

- 7** Find the closest integers to the given square root
 $\bigcirc < \sqrt{13} < \bigcirc$

A 5, 6	B 4, 5	C 1, 2
D 3, 4	E 2, 3	

- 8** What is a good approximation for the second square root?
 $\sqrt{36} = 6$
 $\sqrt{38} \approx ?$

A 5.4	B 3.8	C 8.6
D 6.2	E 3	F 9.4



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Find the best approximation of the given square root

$$\sqrt{7}$$

A 0.4	B 2.6	C 1.1
D 4.8	E 3.3	F 1.8

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Approximate the value of 'b' in this equation

$$100 + b^2 = 121$$

A b = 5.5	B b = 4.6
C b = 21	D b = 3.6
E b = 5	F b = 3.2

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Approximate the value of 'c' in this equation

$$36 + 9 = c^2$$

A c = 5.9	B c = 3.3
C c = 9	D c = 18
E c = 6.7	F c = 5.2

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Approximate the value of 'a' in this equation

$$a^2 + 9^2 = 10^2$$

A a = 4.8	B a = 1
C a = 4.4	D a = 3.1
E a = 9.5	F a = 8.4

13

Approximate the value of 'b' in this equation

$$a^2 + b^2 = c^2$$

$$a = 8$$

$$b = ?$$

$$c = 9$$

A b = 4.9	B b = 2.1
C b = 4.5	D b = 2.9
E b = 6.1	F b = 4.1

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Approximate the value of 'b' in this equation

$$6^2 + b^2 = 10^2$$

A b = 8	B b = 60
C b = 4	D b = 12
E b = 9.7	F b = 7

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Approximate the value of 'c' in this equation

$$9 + 9 = c^2$$

A c = 1	B c = 5.1
C c = 5.9	D c = 2.6
E c = 6	F c = 4.2

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Approximate the value of 'c' in this equation

$$13^2 + 11^2 = c^2$$

A c = 14.5	B c = 15.3
C c = 17	D c = 18.7
E c = 143	F c = 6.9