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Math worksheet on *'Pythagorean Equation from Variables - Either Missing Length (Decimal) (Level 1)'*. Part of a broader unit on *'Pythagoras - Foundations'*

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1 Approximate the value of 'c' in this equation

$$a^2 + b^2 = c^2$$
$$a = 4$$
$$b = 5$$
$$c = ?$$

a	b
c = 8.9	c = 6.4
c	**d**
c = 8.1	c = 5.6
e	**f**
c = 2.2	c = 3.9

2 Approximate the value of 'c' in this equation

$$a^2 + b^2 = c^2$$
$$a = 2$$
$$b = 3$$
$$c = ?$$

a	b
c = 7	c = 2.2
c	**d**
c = 3.6	c = 4.4
e	**f**
c = 5	c = 1

3 Approximate the value of 'c' in this equation

$$a^2 + b^2 = c^2$$
$$a = 5$$
$$b = 5$$
$$c = ?$$

a	b
c = 7.1	c = 10.4
c	**d**
c = 3.7	c = 8.8
e	**f**
c = 4.6	c = 7.9

4 Approximate the value of 'c' in this equation

$$a^2 + b^2 = c^2$$
$$a = 3$$
$$b = 5$$
$$c = ?$$

a	b
c = 1.6	c = 5.8
c	**d**
c = 3.3	c = 4
e	**f**
c = 9.2	c = 7.5

5 Approximate the value of 'c' in this equation

$$a^2 + b^2 = c^2$$
$$a = 3$$
$$b = 4$$
$$c = ?$$

a	b
c = 2.6	c = 1
c	**d**
c = 5	c = 2.5
e	**f**
c = 8.4	c = 6.7

6 Approximate the value of 'c' in this equation

$$a^2 + b^2 = c^2$$
$$a = 5$$
$$b = 4$$
$$c = ?$$

a	b
c = 3.9	c = 20
c	**d**
c = 2.2	c = 8.1
e	**f**
c = 6.4	c = 9

7 Approximate the value of 'c' in this equation

$$a^2 + b^2 = c^2$$
$$a = 3$$
$$b = 3$$
$$c = ?$$

a	b
c = 4.2	c = 3.4
c	**d**
c = 1.7	c = 5.9
e	**f**
c = 6	c = 2.6