Math worksheet on *'Pythagorean Equation from Squares - Either Missing Length (Decimal) (Level 1)'*. Part of a broader unit on *'Pythagorean Theorem with Decimals - Intro'*

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**1** Approximate the value of 'b' in this equation

$$6^2 + b^2 = 9^2$$

| | | | |
|---|---|---|---|
| **a** | b = 8.7 | **b** | b = 3.7 |
| **c** | b = 6.7 | **d** | b = 54 |
| **e** | b = 7.7 | **f** | b = 15 |

**2** Approximate the value of 'c' in this equation

$$4^2 + 4^2 = c^2$$

| | | | |
|---|---|---|---|
| **a** | c = 2.3 | **b** | c = 4 |
| **c** | c = 5.7 | **d** | c = 9 |
| **e** | c = 8.2 | **f** | c = 1 |

**3** Approximate the value of 'c' in this equation

$$5^2 + 3^2 = c^2$$

| | | | |
|---|---|---|---|
| **a** | c = 5.8 | **b** | c = 8 |
| **c** | c = 5 | **d** | c = 4 |
| **e** | c = 7.5 | **f** | c = 15 |

**4** Approximate the value of 'c' in this equation

$$2^2 + 4^2 = c^2$$

| | | | |
|---|---|---|---|
| **a** | c = 3.6 | **b** | c = 4.5 |
| **c** | c = 7 | **d** | c = 5.3 |
| **e** | c = 1.1 | **f** | c = 3.5 |

**5** Approximate the value of 'c' in this equation

$$2^2 + 3^2 = c^2$$

| | | | |
|---|---|---|---|
| **a** | c = 2.8 | **b** | c = 5.3 |
| **c** | c = 3.6 | **d** | c = 1.9 |
| **e** | c = 1 | **f** | c = 7 |

**6** Approximate the value of 'a' in this equation

$$a^2 + 6^2 = 8^2$$

| | | | |
|---|---|---|---|
| **a** | a = 48 | **b** | a = 2.6 |
| **c** | a = 4.8 | **d** | a = 2.3 |
| **e** | a = 5.3 | **f** | a = 8.3 |

**7** Approximate the value of 'a' in this equation

$$a^2 + 4^2 = 6^2$$

| | | | |
|---|---|---|---|
| **a** | a = 8.5 | **b** | a = 5.7 |
| **c** | a = 4.5 | **d** | a = 3.6 |
| **e** | a = 24 | **f** | a = 10 |

 