



Math worksheet on 'Squares Approximating Between Perfect Squares (Level 3)'. Part of a broader unit on 'Squares and Square Roots - Advanced'

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**2** Find the closest perfect squares above and below the given number

$$\bigcirc < 12.3^2 < \bigcirc$$

<b>a</b>	146, 179	<b>b</b>	121, 169
<b>c</b>	144, 196	<b>d</b>	144, 169
<b>e</b>	140, 159	<b>f</b>	146, 169

**1** Find the closest perfect squares above and below the given number

$$\bigcirc < 10.3^2 < \bigcirc$$

<b>a</b>	81, 121	<b>b</b>	104, 129
<b>c</b>	100, 121	<b>d</b>	100, 117
<b>e</b>	96, 113	<b>f</b>	96, 107

**3** Find the closest perfect squares above and below the given number

$$\bigcirc < 12.5^2 < \bigcirc$$

<b>a</b>	144, 173	<b>b</b>	144, 169
<b>c</b>	142, 171	<b>d</b>	144, 196
<b>e</b>	121, 169	<b>f</b>	144, 161

**4** Find the closest perfect squares above and below the given number

$$\bigcirc < 11.7^2 < \bigcirc$$

<b>a</b>	117, 140	<b>b</b>	125, 140
<b>c</b>	121, 144	<b>d</b>	100, 144
<b>e</b>	123, 140	<b>f</b>	121, 169

**5** Find the closest perfect squares above and below the given number

$$\bigcirc < 9.4^2 < \bigcirc$$

<b>a</b>	77, 96	<b>b</b>	85, 100
<b>c</b>	85, 98	<b>d</b>	83, 114
<b>e</b>	81, 100	<b>f</b>	81, 114

**6** Find the closest perfect squares above and below the given number

$$\bigcirc < 11.3^2 < \bigcirc$$

<b>a</b>	119, 142	<b>b</b>	121, 146
<b>c</b>	121, 144	<b>d</b>	121, 130
<b>e</b>	117, 140	<b>f</b>	121, 169

**7** Find the closest perfect squares above and below the given number

$$\bigcirc < 12.7^2 < \bigcirc$$

<b>a</b>	146, 165	<b>b</b>	148, 161
<b>c</b>	142, 175	<b>d</b>	144, 196
<b>e</b>	148, 169	<b>f</b>	144, 169