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| **Fill in the Blanks** | **Arc Length & Perimeter of a Sector** |

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| **Radius** | **Angle** | **Arc Length** | **Perimeter** |
| $$8 cm$$ | $$90°$$ | $$\frac{90}{360}×π×2×8=12.6 cm$$ | $$28.6 cm$$ |
| $$7 cm$$ | $$45°$$ | $$\frac{45}{360}×π×2×7=5.5 cm$$ |  |
| $$15 mm$$ | $$60°$$ | $$\frac{60}{360}×π×2×15=15.7 mm$$ |  |
| $$4 cm$$ | $$75°$$ |  |  |
| $$1.8 m$$ | $$130°$$ |  |  |
| $$82 mm$$ | $$335°$$ |  |  |
| $$11 cm$$ | $$275°$$ |  |  |
| $$9 mm$$ | $$32°$$ |  |  |
| $$10 cm$$ |  |  |  |
| $$25 mm$$ |  |  |  |
| $$2 m$$ |  |  | $$5.05 m$$ |
| $$8.9 cm$$ |  |  | $$35.2 m$$ |
|  |  |  | $$15.61 cm$$ |
|  |  |  | $$99.29 mm$$ |