



## Circumference - Diameter and Pi Definition to Equation (Symbols)

**1** Given this information, what is the circumference of this circle

$$C = \pi \cdot d$$
$$\text{diameter} = 14$$

- |   |                            |   |                            |
|---|----------------------------|---|----------------------------|
| A | $C = 2 \cdot \pi \cdot 10$ | B | $C = 2 \cdot \pi \cdot 17$ |
| C | $C = 2 \cdot \pi \cdot 14$ | D | $C = \pi \cdot 14^2$       |
| E | $C = \pi \cdot 14$         | F | $C = \pi \cdot 12^2$       |

**2** Given this information, what is the circumference of this circle

$$C = \pi \cdot d$$
$$\text{diameter} = 16$$

- |   |                            |   |                            |
|---|----------------------------|---|----------------------------|
| A | $C = 2 \cdot \pi \cdot 16$ | B | $C = \pi \cdot 16$         |
| C | $C = \pi \cdot 15^2$       | D | $C = \frac{\pi}{32}$       |
| E | $C = \frac{\pi}{16}$       | F | $C = 2 \cdot \pi \cdot 20$ |

**3** Given this information, what is the circumference of this circle

$$C = \pi \cdot d$$
$$\text{diameter} = 12$$

- |   |                            |   |                                  |
|---|----------------------------|---|----------------------------------|
| A | $C = 2 \cdot \pi \cdot 15$ | B | $C = \frac{\pi}{12}$             |
| C | $C = \pi \cdot 12^2$       | D | $C = 2 \cdot \pi \cdot 24$       |
| E | $C = \pi \cdot 12$         | F | $C = \pi \cdot (\frac{14}{2})^2$ |

**4** Given this information, what is the circumference of this circle

$$C = \pi \cdot d$$
$$\text{diameter} = 26$$

- |   |                                  |   |                                  |
|---|----------------------------------|---|----------------------------------|
| A | $C = 2 \cdot \pi \cdot 52$       | B | $C = \pi \cdot 26$               |
| C | $C = \frac{\pi}{26}$             | D | $C = \pi \cdot (\frac{30}{2})^2$ |
| E | $C = \pi \cdot (\frac{28}{2})^2$ | F | $C = \pi \cdot 52^2$             |

**5** Given this information, what is the circumference of this circle

$$C = \pi \cdot d$$
$$\text{diameter} = 20$$

- |   |                            |   |                      |
|---|----------------------------|---|----------------------|
| A | $C = 2 \cdot \pi \cdot 20$ | B | $C = \pi \cdot 20$   |
| C | $C = \frac{\pi}{20}$       | D | $C = \pi \cdot 20^2$ |
| E | $C = \pi \cdot 40^2$       | F | $C = \frac{\pi}{40}$ |

**6** Given this information, what is the circumference of this circle

$$C = \pi \cdot d$$
$$\text{diameter} = 4$$

- |   |                           |   |                           |
|---|---------------------------|---|---------------------------|
| A | $C = \pi \cdot 4^2$       | B | $C = 2 \cdot \pi \cdot 6$ |
| C | $C = \pi \cdot 4$         | D | $C = 2 \cdot \pi \cdot 4$ |
| E | $C = 2 \cdot \pi \cdot 8$ | F | $C = \frac{\pi}{8}$       |

**7** Given this information, what is the circumference of this circle

$$C = \pi \cdot d$$
$$\text{diameter} = 18$$

- |   |                                  |   |                      |
|---|----------------------------------|---|----------------------|
| A | $C = \pi \cdot (\frac{15}{2})^2$ | B | $C = \pi \cdot 18$   |
| C | $C = 2 \cdot \pi \cdot 18$       | D | $C = \frac{\pi}{18}$ |
| E | $C = \pi \cdot 36^2$             | F | $C = \pi \cdot 18^2$ |

**8** Given this information, what is the circumference of this circle

$$C = \pi \cdot d$$
$$\text{diameter} = 8$$

- |   |                            |   |                           |
|---|----------------------------|---|---------------------------|
| A | $C = 2 \cdot \pi \cdot 8$  | B | $C = 2 \cdot \pi \cdot 6$ |
| C | $C = \pi \cdot 8$          | D | $C = \frac{\pi}{16}$      |
| E | $C = 2 \cdot \pi \cdot 16$ | F | $C = 2 \cdot \pi \cdot 9$ |