

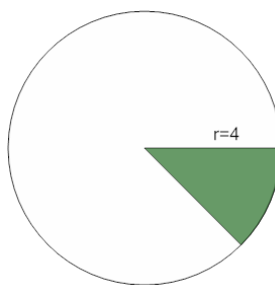


Math worksheet on 'Area of a Circle Sector From Area to Fraction (Equation) (Level 2)'. Part of a broader unit on 'Geometry - Circle Area, Sectors and Donuts - Intro'

Learn online:

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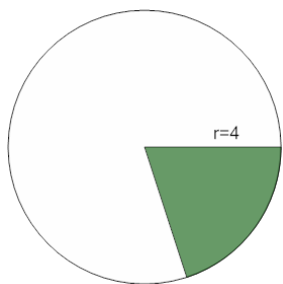
1



Find what fraction a sector with area  $2\pi$  is of a circle with radius 4

|   |                |   |               |
|---|----------------|---|---------------|
| a | $\frac{3}{2}$  | b | $\frac{1}{8}$ |
| c | $\frac{5}{16}$ | d | $\frac{7}{4}$ |
| e | $\frac{4}{5}$  |   |               |

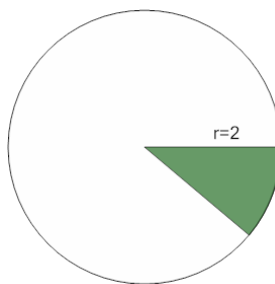
2



Find what fraction a sector with area  $\frac{16}{5}\pi$  is of a circle with radius 4

|   |               |   |                |
|---|---------------|---|----------------|
| a | $\frac{5}{7}$ | b | $\frac{1}{5}$  |
| c | 1             | d | $\frac{6}{11}$ |
| e | $\frac{9}{4}$ |   |                |

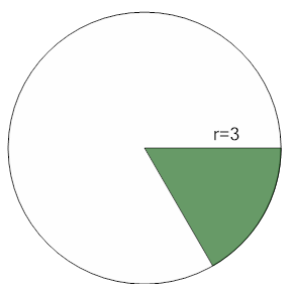
3



Find what fraction a sector with area  $\frac{4}{9}\pi$  is of a circle with radius 2

|   |                |   |                |
|---|----------------|---|----------------|
| a | $\frac{1}{4}$  | b | $\frac{2}{13}$ |
| c | $\frac{9}{2}$  | d | $\frac{1}{9}$  |
| e | $\frac{9}{16}$ |   |                |

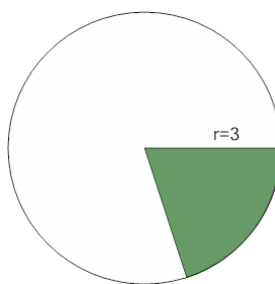
4



Find what fraction a sector with area  $\frac{3}{2}\pi$  is of a circle with radius 3

|   |               |   |               |
|---|---------------|---|---------------|
| a | $\frac{8}{5}$ | b | 3             |
| c | $\frac{2}{3}$ | d | $\frac{1}{6}$ |
| e | 2             |   |               |

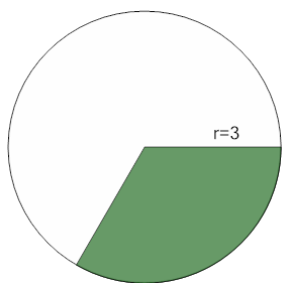
5



Find what fraction a sector with area  $\frac{9}{5}\pi$  is of a circle with radius 3

|   |                |   |               |
|---|----------------|---|---------------|
| a | $\frac{4}{11}$ | b | 5             |
| c | $\frac{6}{7}$  | d | $\frac{1}{5}$ |
| e | $\frac{8}{11}$ |   |               |

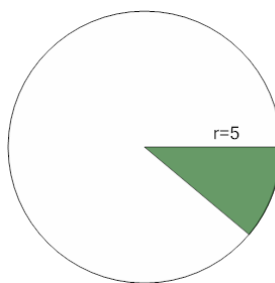
6



Find what fraction a sector with area  $3\pi$  is of a circle with radius 3

|   |               |   |               |
|---|---------------|---|---------------|
| a | 6             | b | 5             |
| c | $\frac{7}{5}$ | d | $\frac{5}{6}$ |
| e | $\frac{1}{3}$ |   |               |

7



Find what fraction a sector with area  $\frac{25}{9}\pi$  is of a circle with radius 5

|   |                |   |                |
|---|----------------|---|----------------|
| a | 3              | b | $\frac{1}{9}$  |
| c | $\frac{3}{2}$  | d | $\frac{2}{15}$ |
| e | $\frac{3}{16}$ |   |                |