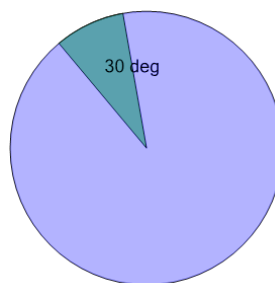




Math worksheet on 'Geometry of Circles - Sector Area - Total Area and Angle to Sector Area (Level 2)'. Part of a broader unit on 'Geometry - Intermediate - Practice'

Learn online: app.mobius.academy/math/units/geometry_intermediate_practice/

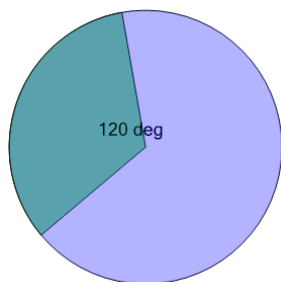
1



If the total area of the circle is 24, what is the area of the shaded sector?

| | | | |
|----------|---|----------|---|
| a | 4 | b | 2 |
| c | 3 | d | 0 |
| e | 5 | f | 1 |

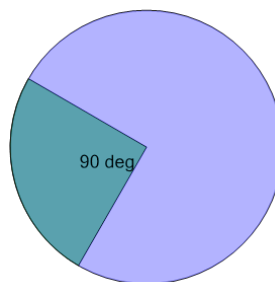
2



If the total area of the circle is 6, what is the area of the shaded sector?

| | | | |
|----------|---|----------|---|
| a | 4 | b | 1 |
| c | 3 | d | 0 |
| e | 2 | | |

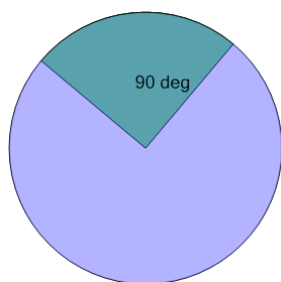
3



If the total area of the circle is 24, what is the area of the shaded sector?

| | | | |
|----------|---|----------|---|
| a | 7 | b | 2 |
| c | 8 | d | 5 |
| e | 3 | f | 6 |

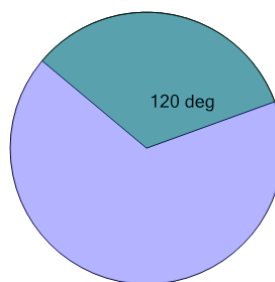
4



If the total area of the circle is 16, what is the area of the shaded sector?

| | | | |
|----------|---|----------|---|
| a | 6 | b | 3 |
| c | 2 | d | 4 |
| e | 5 | f | 1 |

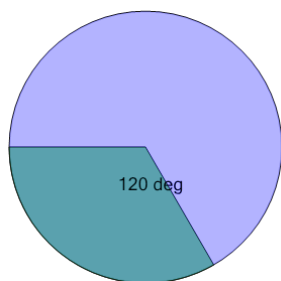
5



If the total area of the circle is 6, what is the area of the shaded sector?

| | | | |
|----------|---|----------|---|
| a | 4 | b | 1 |
| c | 2 | d | 5 |
| e | 3 | f | 0 |

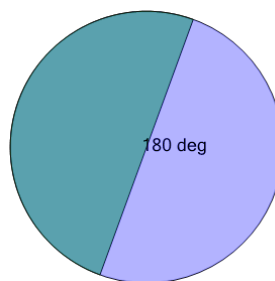
6



If the total area of the circle is 3, what is the area of the shaded sector?

| | | | |
|----------|---|----------|---|
| a | 0 | b | 2 |
| c | 1 | d | 4 |
| e | 3 | | |

7



If the total area of the circle is 16, what is the area of the shaded sector?

| | | | |
|----------|---|----------|----|
| a | 5 | b | 9 |
| c | 4 | d | 8 |
| e | 6 | f | 11 |