

9-1 Crossover Problem: Area of Circles

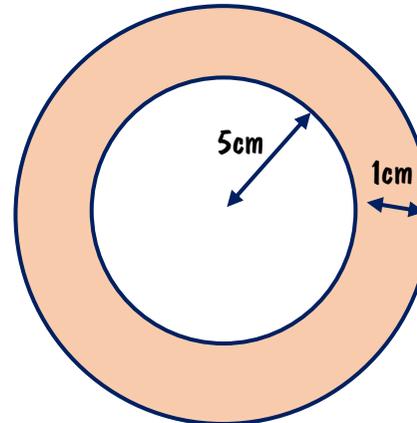
Step 1

- | | |
|------------|--------------|
| 1. 42.35 | 6. 6.237 |
| 2. 0.2461 | 7. 4374 |
| 3. 31,009 | 8. 10.27 |
| 4. 0.9999 | 9. 264003 |
| 5. 3699.23 | 10. 0.007639 |

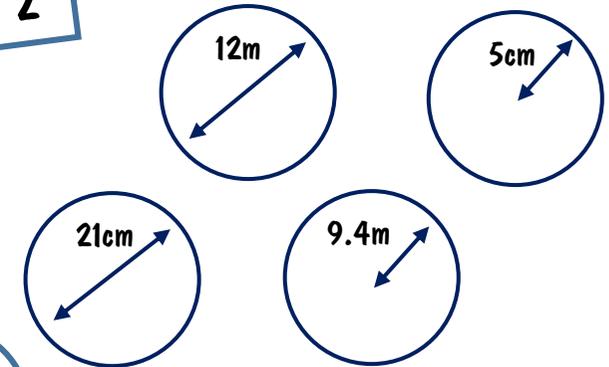
Round these numbers to 3 significant figures

Step 4

Work out the area of the shaded section. Give your answer to 3 significant figures.

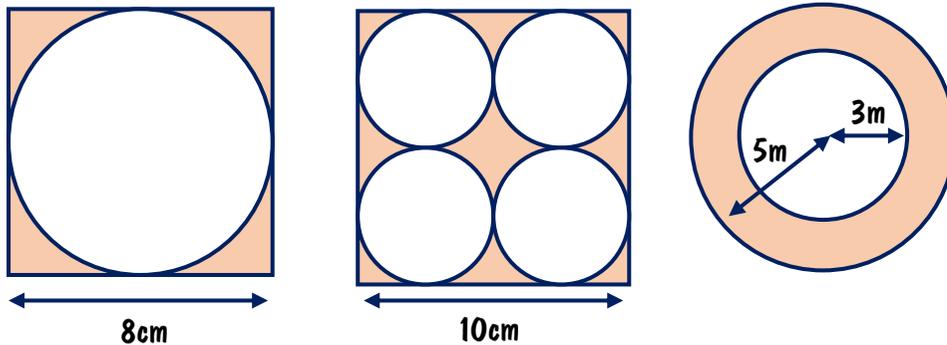


Step 2

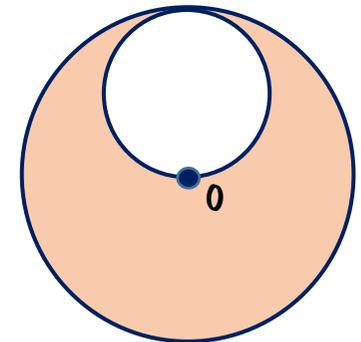


Work out the area of each of the circles. Round to 2 significant figures.

Step 3



Extension



The larger circle with centre O has a radius of 16. Work out the area of the shaded section.

Find the area of the shaded sections for each shape