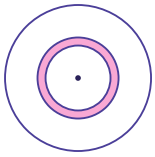
Geometric Probability · 1

A dart lands at a random point on the circular target. The circles have radii 4, 5 and 9. Find the probability that it lands in the shaded ring.



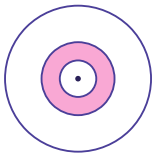
Geometric Probability · 2

A point is chosen at random on AD. Find the probability that it lies on BD.



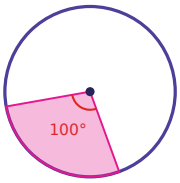
Geometric Probability · 3

A dart lands at a random point on the circular target. The circles have radii 1, 2 and 4. Find the probability that it lands in the shaded ring.



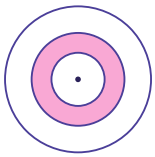
Geometric Probability · 4

The shaded sector of the spinner has a central angle of 100°. Find the probability that the spinner lands in the shaded sector.



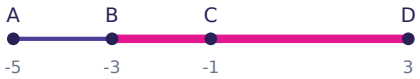
Geometric Probability · 5

A dart lands at a random point on the circular target. The circles have radii 4, 7 and 11. Find the probability that it lands in the shaded ring.



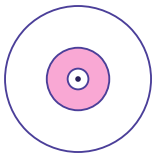
Geometric Probability · 6

A point is chosen at random on AD. Find the probability that it lies on BD.



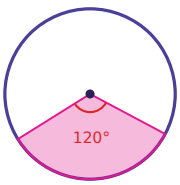
Geometric Probability · 7

A dart lands at a random point on the circular target. The circles have radii 1, 3 and 7. Find the probability that it lands in the shaded ring.



Geometric Probability · 8

The shaded sector of the spinner has a central angle of 120°. Find the probability that the spinner lands in the shaded sector.



Geometric Probability · 2

ANSWER

$$\frac{3}{4}$$

Geometric Probability · 1

ANSWER

$$\frac{1}{9}$$

Geometric Probability · 4

ANSWER

$$\frac{5}{18}$$

Geometric Probability · 3

ANSWER

$$\frac{3}{16}$$

Geometric Probability · 6

ANSWER

$$\frac{3}{4}$$

Geometric Probability · 5

ANSWER

$$\frac{3}{11}$$

Geometric Probability · 8

ANSWER

$$\frac{1}{3}$$

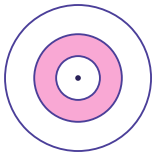
Geometric Probability · 7

ANSWER

$$\frac{8}{49}$$

Geometric Probability · 9

A dart lands at a random point on the circular target. The circles have radii 3, 6 and 10. Find the probability that it lands in the shaded ring.



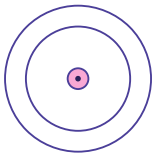
Geometric Probability · 10

A point is chosen at random on AD. Find the probability that it lies on CD.



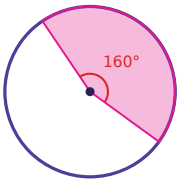
Geometric Probability · 11

A dart lands at a random point on the circular target. The circles have radii 1, 5 and 7. Find the probability that it lands in the shaded center circle.



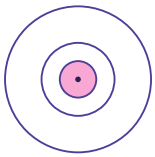
Geometric Probability · 12

The shaded sector of the spinner has a central angle of 160°. Find the probability that the spinner lands in the shaded sector.



Geometric Probability · 13

A dart lands at a random point on the circular target. The circles have radii 1, 2 and 4. Find the probability that it lands in the shaded center circle.



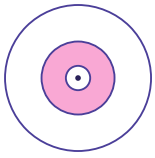
Geometric Probability · 14

A point is chosen at random on AD. Find the probability that it lies on BD.



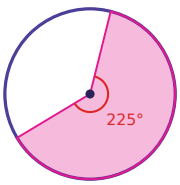
Geometric Probability · 15

A dart lands at a random point on the circular target. The circles have radii 1, 3 and 6. Find the probability that it lands in the shaded ring.



Geometric Probability · 16

The shaded sector of the spinner has a central angle of 225°. Find the probability that the spinner lands in the shaded sector.



Geometric Probability · 10

ANSWER

$$\frac{5}{24}$$

Geometric Probability · 9

ANSWER

$$\frac{27}{100}$$

Geometric Probability · 12

ANSWER

$$\frac{4}{9}$$

Geometric Probability · 11

ANSWER

$$\frac{1}{49}$$

Geometric Probability · 14

ANSWER

$$\frac{5}{6}$$

Geometric Probability · 13

ANSWER

$$\frac{1}{16}$$

Geometric Probability · 16

ANSWER

$$\frac{5}{8}$$

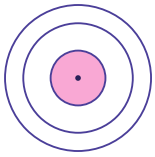
Geometric Probability · 15

ANSWER

$$\frac{2}{9}$$

Geometric Probability · 17

A dart lands at a random point on the circular target. The circles have radii 3, 6 and 8. Find the probability that it lands in the shaded center circle.



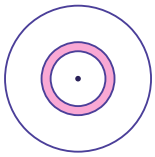
Geometric Probability · 18

A point is chosen at random on AD. Find the probability that it lies on AC.



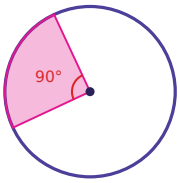
Geometric Probability · 19

A dart lands at a random point on the circular target. The circles have radii 3, 4 and 8. Find the probability that it lands in the shaded ring.



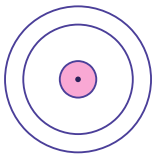
Geometric Probability · 20

The shaded sector of the spinner has a central angle of 90°. Find the probability that the spinner lands in the shaded sector.



Geometric Probability · 21

A dart lands at a random point on the circular target. The circles have radii 1, 3 and 4. Find the probability that it lands in the shaded center circle.



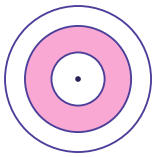
Geometric Probability · 22

A point is chosen at random on AD. Find the probability that it lies on CD.



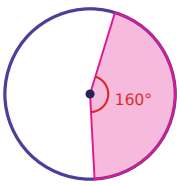
Geometric Probability · 23

A dart lands at a random point on the circular target. The circles have radii 4, 8 and 11. Find the probability that it lands in the shaded ring.



Geometric Probability · 24

The shaded sector of the spinner has a central angle of 160°. Find the probability that the spinner lands in the shaded sector.



Geometric Probability · 18

ANSWER

$$\frac{9}{16}$$

Geometric Probability · 17

ANSWER

$$\frac{9}{64}$$

Geometric Probability · 20

ANSWER

$$\frac{1}{4}$$

Geometric Probability · 19

ANSWER

$$\frac{7}{64}$$

Geometric Probability · 22

ANSWER

$$\frac{3}{13}$$

Geometric Probability · 21

ANSWER

$$\frac{1}{16}$$

Geometric Probability · 24

ANSWER

$$\frac{4}{9}$$

Geometric Probability · 23

ANSWER

$$\frac{48}{121}$$