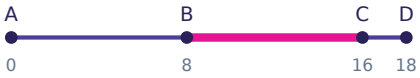
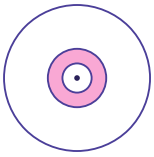
Geometric Probability · 1

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



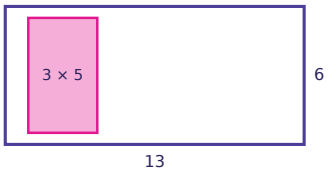

Geometric Probability · 2

A dart lands at a random point on the circular target. The circles have radii 1, 2 and 5. Find the probability that it lands in the shaded ring.



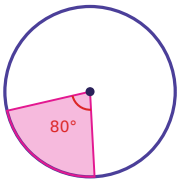
Geometric Probability · 3

A point is chosen at random inside the large rectangle. Find the probability that it lies in the shaded rectangle.




Geometric Probability · 4

The shaded sector of the spinner has a central angle of 80°. Find the probability that the spinner lands in the shaded sector.



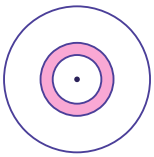

Geometric Probability · 5

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



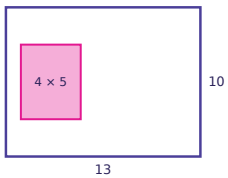

Geometric Probability · 6

A dart lands at a random point on the circular target. The circles have radii 2, 3 and 6. Find the probability that it lands in the shaded ring.



Geometric Probability · 7

A point is chosen at random inside the large rectangle. Find the probability that it lies in the shaded rectangle.




Geometric Probability · 8

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



Geometric Probability · 2

**ANSWER**

$$\frac{3}{25}$$

Geometric Probability · 1

**ANSWER**

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

Geometric Probability · 4

**ANSWER**

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

Geometric Probability · 3

**ANSWER**

$$\frac{5}{26}$$

Geometric Probability · 6

**ANSWER**

$$\frac{5}{36}$$

Geometric Probability · 5

**ANSWER**

$$\frac{2}{7}$$

Geometric Probability · 8

**ANSWER**

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

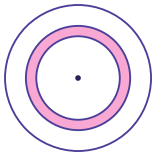
Geometric Probability · 7

**ANSWER**

$$\frac{2}{13}$$

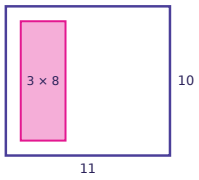
Geometric Probability · 9

A dart lands at a random point on the circular target. The circles have radii 4, 5 and 7. Find the probability that it lands in the shaded ring.



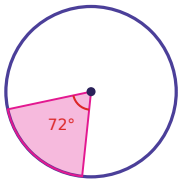
Geometric Probability · 10

A point is chosen at random inside the large rectangle. Find the probability that it lies in the shaded rectangle.




Geometric Probability · 11

The shaded sector of the spinner has a central angle of 72°. Find the probability that the spinner lands in the shaded sector.



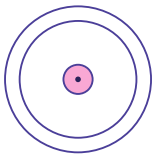

Geometric Probability · 12

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



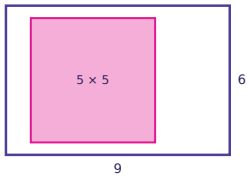

Geometric Probability · 13

A dart lands at a random point on the circular target. The circles have radii 1, 4 and 5. Find the probability that it lands in the shaded center circle.



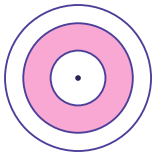
Geometric Probability · 14

A point is chosen at random inside the large rectangle. Find the probability that it lies in the shaded rectangle.




Geometric Probability · 15

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 ring.



Geometric Probability · 16

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



Geometric Probability · 10

**ANSWER**

$$\frac{12}{55}$$

Geometric Probability · 9

**ANSWER**

$$\frac{9}{49}$$

Geometric Probability · 12

**ANSWER**

$$\frac{9}{20}$$

Geometric Probability · 11

**ANSWER**

$$\frac{1}{5}$$

Geometric Probability · 14

**ANSWER**

$$\frac{25}{54}$$

Geometric Probability · 13

**ANSWER**

$$\frac{1}{25}$$

Geometric Probability · 16

**ANSWER**

$$\frac{2}{15}$$

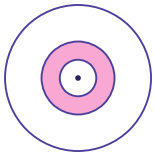
Geometric Probability · 15

**ANSWER**

$$\frac{27}{64}$$

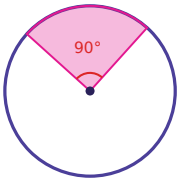
Geometric Probability · 17

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 · 18

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



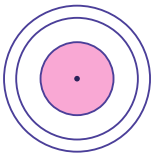

Geometric Probability · 19

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



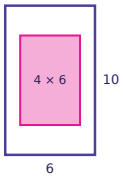

Geometric Probability · 20

A dart lands at a random point on the circular target. The circles have radii 3, 5 and 6. Find the probability that it lands in the shaded center circle.



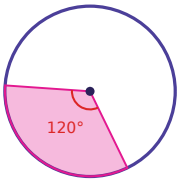
Geometric Probability · 21

A point is chosen at random inside the large rectangle. Find the probability that it lies in the shaded rectangle.



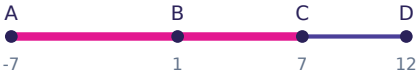

Geometric Probability · 22

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



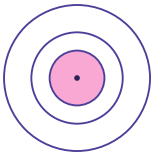

Geometric Probability · 23

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




Geometric Probability · 24

A dart lands at a random point on the circular target. The circles have radii 3, 5 and 8. Find the probability that it lands in the shaded center circle.



Geometric Probability · 18

**ANSWER**

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

Geometric Probability · 17

**ANSWER**

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

Geometric Probability · 20

**ANSWER**

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

Geometric Probability · 19

**ANSWER**

$$\frac{5}{7}$$

Geometric Probability · 22

**ANSWER**

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

Geometric Probability · 21

**ANSWER**

$$\frac{2}{5}$$

Geometric Probability · 24

**ANSWER**

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

Geometric Probability · 23

**ANSWER**

$$\frac{14}{19}$$