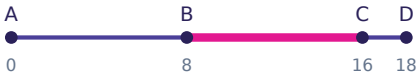
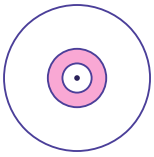
Geometric Probability · 1

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



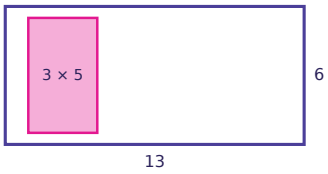
Geometric Probability · 2

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.



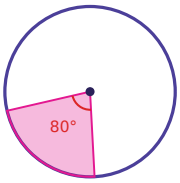
Geometric Probability · 3

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.



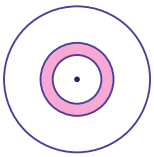
Geometric Probability · 5

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



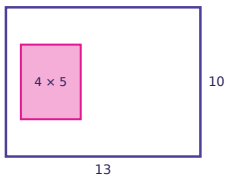
Geometric Probability · 6

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

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

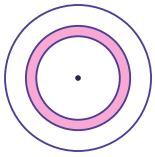
Geometric Probability · 7

ANSWER

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

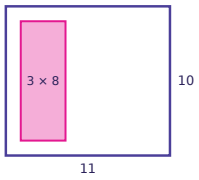
Geometric Probability · 9

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.



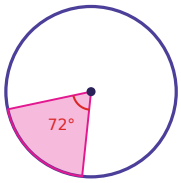
Geometric Probability · 10

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.



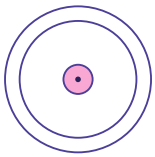
Geometric Probability · 12

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



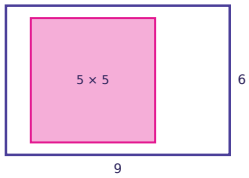
Geometric Probability · 13

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.



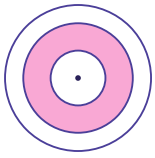
Geometric Probability · 14

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

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

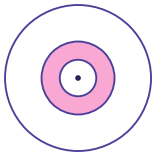
Geometric Probability · 15

ANSWER

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

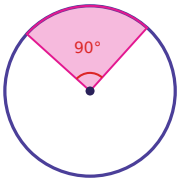
Geometric Probability · 17

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.



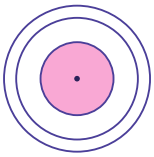
Geometric Probability · 19

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



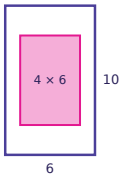
Geometric Probability · 20

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.



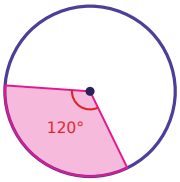
Geometric Probability · 21

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



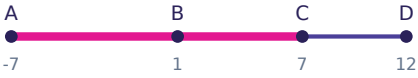
Geometric Probability · 22

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



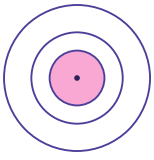
Geometric Probability · 23

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

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