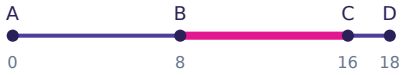
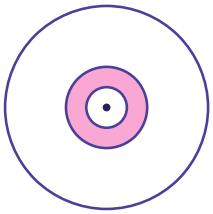
Task card 1 Geometric Probability

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



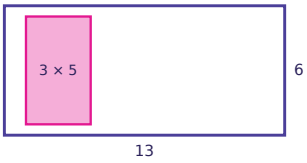
Task card 2 Geometric Probability

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.



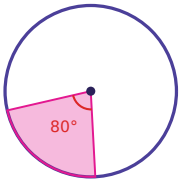
Task card 3 Geometric Probability

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



Task card 4 Geometric Probability

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



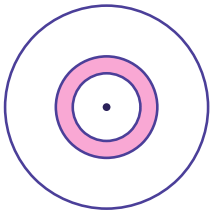
Task card 5 Geometric Probability

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



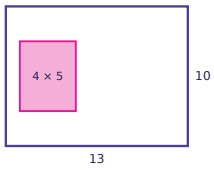
Task card 6 Geometric Probability

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.



Task card 7 Geometric Probability

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



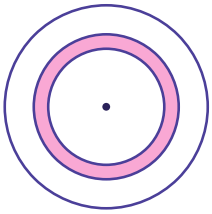
Task card 8 Geometric Probability

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



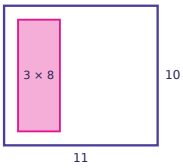
Task card 9 Geometric Probability

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.



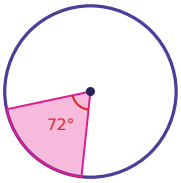
Task card 10 Geometric Probability

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



Task card 11 Geometric Probability

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



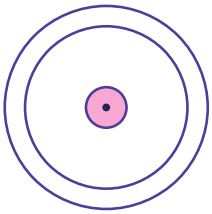
Task card 12 Geometric Probability

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



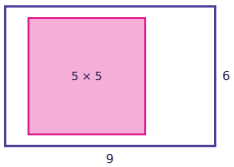
Task card 13 Geometric Probability

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.



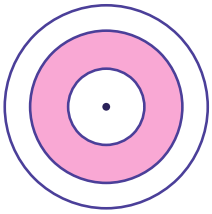
Task card 14 Geometric Probability

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



Task card 15 Geometric Probability

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.



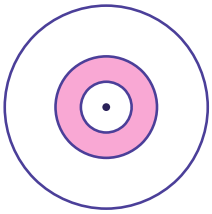
Task card 16 Geometric Probability

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



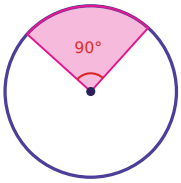
Task card 17 Geometric Probability

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.



Task card 18 Geometric Probability

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



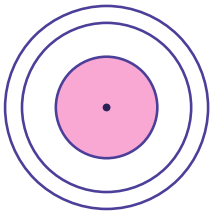
Task card 19 Geometric Probability

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



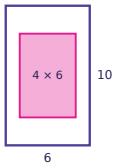
Task card 20 Geometric Probability

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.



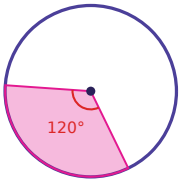
Task card 21 Geometric Probability

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



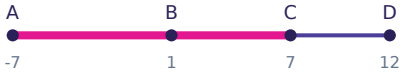
Task card 22 Geometric Probability

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



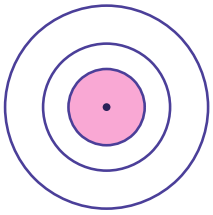
Task card 23 Geometric Probability

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



Task card 24 Geometric Probability

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 Task Cards

Recording sheet · Grade 10 · Write probabilities as fractions in simplest form. When π is used, use π ≈ 3.14 and round to the nearest hundredth.

Name: _____ Date: _____

Scan to check your answers

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Geometric Probability Task Cards: Answer Key

Grade 10 · Medium

The answers online

1. $\frac{4}{9}$	**2.** $\frac{3}{25}$	**3.** $\frac{5}{26}$
4. $\frac{2}{9}$	**5.** $\frac{2}{7}$	**6.** $\frac{5}{36}$
7. $\frac{2}{13}$	**8.** $\frac{1}{3}$	**9.** $\frac{9}{49}$
10. $\frac{12}{55}$	**11.** $\frac{1}{5}$	**12.** $\frac{9}{20}$
13. $\frac{1}{25}$	**14.** $\frac{25}{54}$	**15.** $\frac{27}{64}$
16. $\frac{2}{15}$	**17.** $\frac{3}{16}$	**18.** $\frac{1}{4}$
19. $\frac{5}{7}$	**20.** $\frac{1}{4}$	**21.** $\frac{2}{5}$
22. $\frac{1}{3}$	**23.** $\frac{14}{19}$	**24.** $\frac{9}{64}$