



A ten sided dice, numbered 1 to 10 is rolled.

What is the probability of a 3?

$$\frac{1}{10}$$

What is the probability of a number less than 4?

$$\frac{3}{10}$$

What is the probability of a square number?

$$1 \ 4 \ 9$$

$$\frac{3}{10}$$

Work out  $3a + 2c$

when  $a = 4$  and  $c = -2$

$$12 + (-4) = 8$$

Armaan thinks of a number.

He squares it.

Then he adds 4.

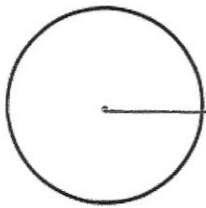
His answer is 53.

What was the number he thought of?

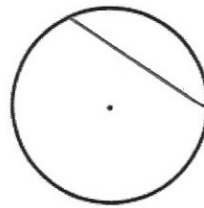
$$53 - 4 = 49$$

$$7 \text{ or } -7$$

Draw a radius on the circle.



Draw a chord on the circle.



Factorise

$$3y + 15$$

$$3(y + 5)$$

Factorise

$$a^2 + 3a$$

$$a(a + 3)$$