Topic: Opposite of a number

Question: Which numbers are opposites?

Answer choices:

A   1 and 2

B -3 and 3

C 2 and $1/2$

D 0 and 1

Solution: B

-3 and 3 are opposite numbers because they're the same distance from the origin (three units). In other words, they're the same number but have opposite signs.

Topic: Opposite of a number

Question: What is the opposite of 45?

Answer choices:

A $\dfrac{1}{45}$

B $-\dfrac{1}{45}$

C -45

D 45

Solution: C

45 and -45 are opposite numbers because they're the same distance from the origin (45 units). In other words, they're the same number but have opposite signs.

Topic: Opposite of a number

Question: What is the opposite of -10?

Answer choices:

A 10

B $-\dfrac{1}{10}$

C -10

D $\dfrac{1}{10}$

Solution: A

-10 and 10 are opposite numbers because they're the same distance from the origin (10 units). In other words, they're the same number but have opposite signs.