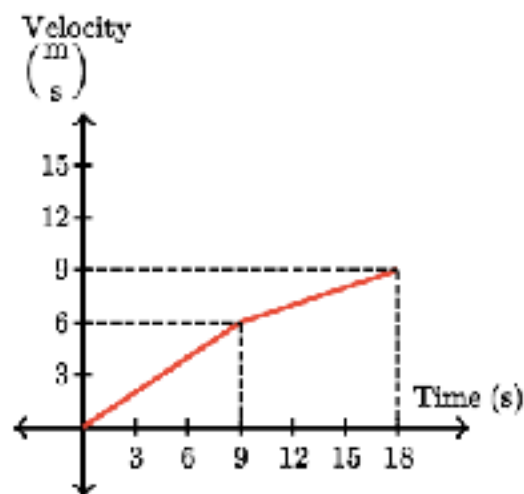


A runner starts at rest and accelerates until reaching a speed of $9.0 \frac{\text{m}}{\text{s}}$. A graph of her velocity over time is shown below.

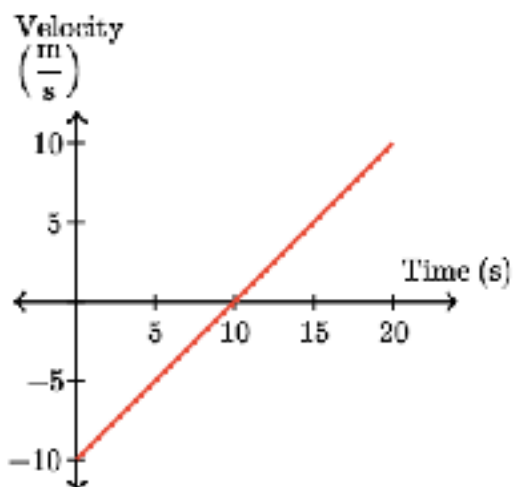


What is her average acceleration from 0 to 9.0 seconds?

Answer using two significant figures.

$\frac{\text{m}}{\text{s}^2}$

A daring squirrel runs toward a cat, then turns around to safety. A graph of its velocity over time is shown below.

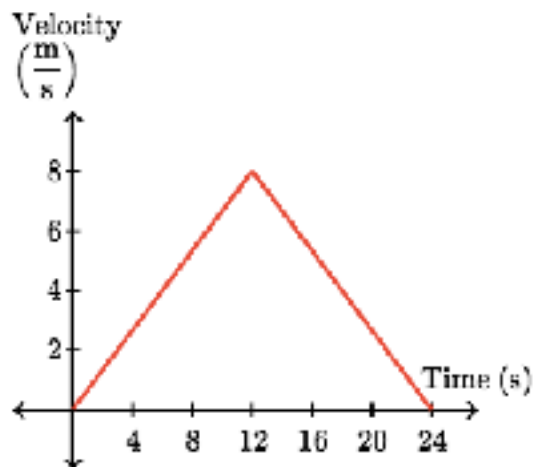


What is the squirrel's average acceleration from 0 to 20 seconds?

Answer using two significant figures.

$\frac{\text{m}}{\text{s}^2}$

A dog chases a cat until the dog gets tired. A graph of its velocity over time is shown below.

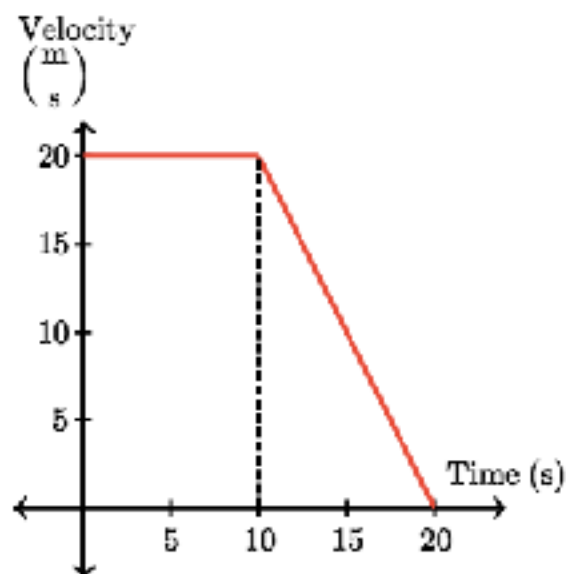


What is the dog's average acceleration from 0 to 12 seconds?

Answer using two significant figures.

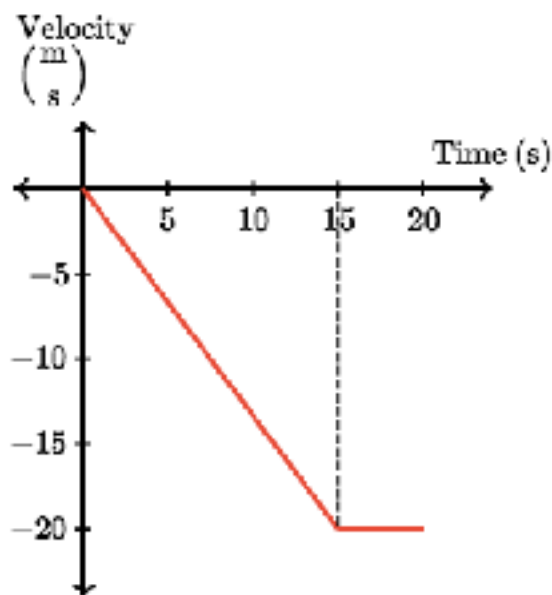
$\frac{\text{m}}{\text{s}^2}$

David drives and slows to a stop when he sees a stop sign. A graph of his velocity over time is shown below.



What is his average acceleration from 10 to 20 seconds?

A camel runs until reaching its top speed. A graph of its velocity over time is shown below.

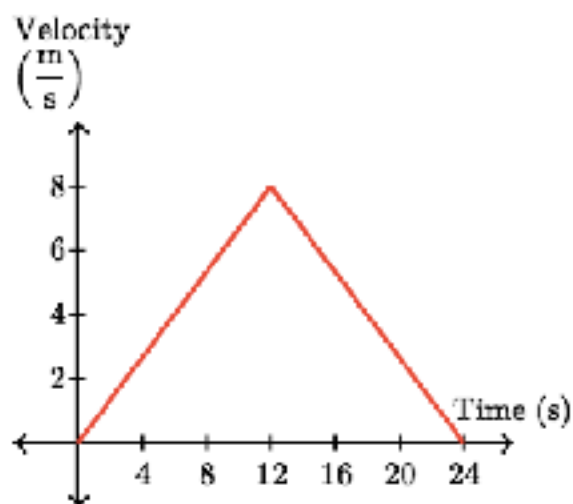


What is the camel's average acceleration from 0 to 15 seconds?

Answer using two significant figures.

$\frac{\text{m}}{\text{s}^2}$

A cat chases a mouse until the cat gets tired. A graph of the cat's velocity over time is shown below.



What is the cat's average acceleration from 12 to 24 seconds?

Answer using two significant figures.

$\frac{\text{m}}{\text{s}^2}$