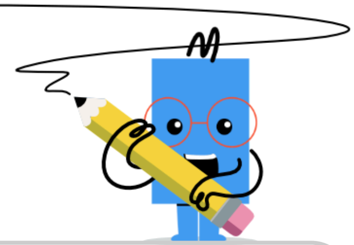
Name



Exponential Function Growth (Continuous) - Term to Meaning

1 What does this term represent in a model of continuous exponential growth of social media post views?

$$V = V_0 \cdot e^{(r \cdot t)}$$
$$r = ?$$

A $r = \text{rate}$

B $r = \text{starting views}$

C $r = \text{time}$

2 What does this term represent in a model of continuously compounding growth of a share price?

$$S = S_0 \cdot e^{(r \cdot t)}$$
$$r = ?$$

A $r = \text{rate}$

B $r = \text{starting price}$

C $r = \text{time}$

3 What does this term represent in a model of continuously compounding growth of a share price?

$$S = S_0 \cdot e^{(r \cdot t)}$$
$$t = ?$$

A $t = \text{time}$

B $t = \text{starting price}$

C $t = \text{final price}$

D $t = \text{rate}$

4 What does this term represent in a model of continuous growth of an insect population?

$$P = P_0 \cdot e^{(r \cdot t)}$$
$$P_0 = ?$$

A $P_0 = \text{starting population}$

B $P_0 = \text{rate}$

5 What does this term represent in a model of continuously compounding growth of app downloads?

$$A = A_0 \cdot e^{(r \cdot t)}$$
$$r = ?$$

A $r = \text{starting downloads}$

B $r = \text{rate}$

C $r = \text{time}$

6 What does this term represent in a model of continuous growth of an insect population?

$$P = P_0 \cdot e^{(r \cdot t)}$$
$$r = ?$$

A $r = \text{rate}$

B $r = \text{time}$

C $r = \text{starting population}$

D $r = \text{final population}$

7 What does this term represent in a model of continuously compounding growth of money in a savings account?

$$P = P_0 \cdot e^{(r \cdot t)}$$
$$t = ?$$

A $t = \text{time}$

B $t = \text{final cash}$

8 What does this term represent in a model of continuous exponential growth of social media post views?

$$V = V_0 \cdot e^{(r \cdot t)}$$
$$V_0 = ?$$

A $V_0 = \text{starting views}$

B $V_0 = \text{final views}$