Exponential Growth & Decay · Grade 11

Name _____ Date _____ Score _____ / 6

01 A quantity of 8 grows by 25% each year for 1 year. What is the quantity after 1 year?

Answer: _____

02 A quantity of 16 decays by 25% each year for 1 year. What is the quantity after 1 year?

Answer: _____

03 A quantity of 18 grows by 50% each year for 1 year. What is the quantity after 1 year?

Answer: _____

04 A quantity of 8 decays by 25% each year for 1 year. What is the quantity after 1 year?

Answer: _____

05 A quantity of 16 grows by 25% each year for 1 year. What is the quantity after 1 year?

Answer: _____

06 A quantity of 32 grows by 25% each year for 1 year. What is the quantity after 1 year?

Answer: _____

Exponential Growth & Decay · Grade 11 (Answer Key)

01 A quantity of 8 grows by 25% each year for 1 year. What is the quantity after 1 year?

10

02 A quantity of 16 decays by 25% each year for 1 year. What is the quantity after 1 year?

12

03 A quantity of 18 grows by 50% each year for 1 year. What is the quantity after 1 year?

27

04 A quantity of 8 decays by 25% each year for 1 year. What is the quantity after 1 year?

6

05 A quantity of 16 grows by 25% each year for 1 year. What is the quantity after 1 year?

20

06 A quantity of 32 grows by 25% each year for 1 year. What is the quantity after 1 year?

40