A bank account earns 4% interest every year. Is this change linear or exponential?

Is $y = 4 + 6x$ linear or exponential?

A plant grows 5 cm taller every week. Is this change linear or exponential?

Is $y = 400(0.9)^x$ linear or exponential?

A taxi charges $3 to start plus $5 for every mile. Is this change linear or exponential?

Plan A: start with $40 and add $10 each week. Plan B: start with $1 and double it each week. Which plan has more money after 6 weeks? Write A or B.

Plan A: start with $50 and add $10 each week. Plan B: start with $5 and double it each week. Which plan has more money after 8 weeks? Write A or B.

A plant grows 4 cm taller every week. Is this change linear or exponential?

Linear or Exponential? Tables, Equations & Stories · 2

ANSWER

linear

Linear or Exponential? Tables, Equations & Stories · 1

ANSWER

exponential

Linear or Exponential? Tables, Equations & Stories · 4

ANSWER

exponential

Linear or Exponential? Tables, Equations & Stories · 3

ANSWER

linear

Linear or Exponential? Tables, Equations & Stories · 6

ANSWER

A

Linear or Exponential? Tables, Equations & Stories · 5

ANSWER

linear

Linear or Exponential? Tables, Equations & Stories · 8

ANSWER

linear

Linear or Exponential? Tables, Equations & Stories · 7

ANSWER

B

Is $y = -3x + 7$ linear or exponential?

Is $y = 200(0.9)^x$ linear or exponential?

A taxi charges $3 to start plus $2 for every mile. Is this change linear or exponential?

Plan A: start with $50 and add $20 each week. Plan B: start with $5 and double it each week. Which plan has more money after 8 weeks? Write A or B.

Plan A: start with $70 and add $20 each week. Plan B: start with $2 and double it each week. Which plan has more money after 8 weeks? Write A or B.

The amount of medicine in the blood halves every 6 hours. Is this change linear or exponential?

Is $y = 900(0.9)^x$ linear or exponential?

The number of people who have seen a video triples every day. Is this change linear or exponential?

Linear or Exponential? Tables, Equations & Stories · 10

ANSWER

exponential

Linear or Exponential? Tables, Equations & Stories · 9

ANSWER

linear

Linear or Exponential? Tables, Equations & Stories · 12

ANSWER

B

Linear or Exponential? Tables, Equations & Stories · 11

ANSWER

linear

Linear or Exponential? Tables, Equations & Stories · 14

ANSWER

exponential

Linear or Exponential? Tables, Equations & Stories · 13

ANSWER

B

Linear or Exponential? Tables, Equations & Stories · 16

ANSWER

exponential

Linear or Exponential? Tables, Equations & Stories · 15

ANSWER

exponential

Plan A: start with $60 and add $25 each week. Plan B: start with $3 and double it each week. Which plan has more money after 8 weeks? Write A or B.

A car loses 30% of its value every year. Is this change linear or exponential?

Is $y = 5x - 6$ linear or exponential?

A bank account earns 5% interest every year. Is this change linear or exponential?

Is $y = 9(5)^x$ linear or exponential?

Plan A: start with $40 and add $15 each week. Plan B: start with $3 and double it each week. Which plan has more money after 5 weeks? Write A or B.

Plan A: start with $30 and add $10 each week. Plan B: start with $2 and double it each week. Which plan has more money after 7 weeks? Write A or B.

Linear or Exponential? Tables, Equations & Stories · 18

ANSWER

exponential

Linear or Exponential? Tables, Equations & Stories · 17

ANSWER

B

Linear or Exponential? Tables, Equations & Stories · 20

ANSWER

exponential

Linear or Exponential? Tables, Equations & Stories · 19

ANSWER

linear

Linear or Exponential? Tables, Equations & Stories · 22

ANSWER

A

Linear or Exponential? Tables, Equations & Stories · 21

ANSWER

exponential

Linear or Exponential? Tables, Equations & Stories · 23

ANSWER

B