Task card 1 Linear or Exponential? Tables, Equ...

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

Task card 2 Linear or Exponential? Tables, Equ...

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

Task card 3 Linear or Exponential? Tables, Equ...

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

Task card 4 Linear or Exponential? Tables, Equ...

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

Task card 5 Linear or Exponential? Tables, Equ...

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

Task card 6 Linear or Exponential? Tables, Equ...

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.

Task card 7 Linear or Exponential? Tables, Equ...

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.

Task card 8 Linear or Exponential? Tables, Equ...

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

Task card 9 Linear or Exponential? Tables, Equ...

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

Task card 10 Linear or Exponential? Tables, Equ...

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

Task card 11 Linear or Exponential? Tables, Equ...

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

Task card 12 Linear or Exponential? Tables, Equ...

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.

Task card 13 Linear or Exponential? Tables, Equ...

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.

Task card 14 Linear or Exponential? Tables, Equ...

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

Task card 15 Linear or Exponential? Tables, Equ...

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

Task card 16 Linear or Exponential? Tables, Equ...

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

Task card 17 Linear or Exponential? Tables, Equ...

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.

Task card 18 Linear or Exponential? Tables, Equ...

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

Task card 19 Linear or Exponential? Tables, Equ...

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

Task card 20 Linear or Exponential? Tables, Equ...

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

Task card 21 Linear or Exponential? Tables, Equ...

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

Task card 22 Linear or Exponential? Tables, Equ...

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.

Task card 23 Linear or Exponential? Tables, Equ...

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 Task Cards

Recording sheet · Grade 9 · Write linear or exponential, or answer the question. Write functions like y = 2x + 3 or y = 3(2)^x.

Scan to check your answers

Name: _____ Date: _____

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	

Linear or Exponential? Tables, Equations & Stories Task Cards: Answer Key

Grade 9 · Medium

The answers online

1. exponential	**2.** linear	**3.** linear
4. exponential	**5.** linear	**6.** A
7. B	**8.** linear	**9.** linear
10. exponential	**11.** linear	**12.** B
13. B	**14.** exponential	**15.** exponential
16. exponential	**17.** B	**18.** exponential
19. linear	**20.** exponential	**21.** exponential
22. A	**23.** B	