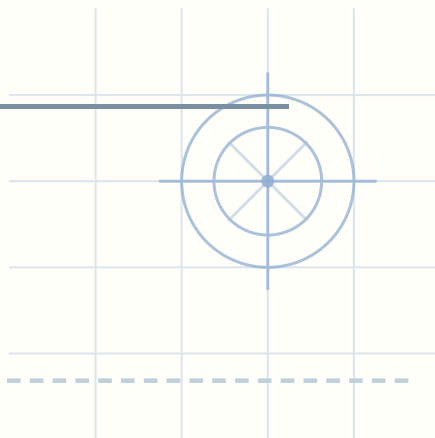


Rate of change — The rate of change

Name: _____

Date: _____

Each table is a straight line. Find what each one asks for.



1

x	6	7	8	9
y	68	77	86	95

rate → _____

2

x	1	4	7	10
y	6	12	18	24

rate → _____

3

x	7	8	9	10
y	44	50	56	62

rate → _____

4

x	9	14	19	24
y	77	117	157	197

rate → _____

5

x	7	8	9	10
y	116	128	140	152

rate → _____

6

x	6	7	8	9
y	86	94	102	110

rate → _____

7

x	3	8	13	18
y	69	59	49	39

rate → _____

8

x	2	5	8	11
y	29	32	35	38

rate → _____



Rate of change · The rate of change — Answer key

1. x: 6, 7, 8, 9 y: 68, 77, 86, 95 → 9 (y moves 9 while x moves 1, and $9 \div 1 = 9$)

2. x: 1, 4, 7, 10 y: 6, 12, 18, 24 → 2 (y moves 6 while x moves 3, and $6 \div 3 = 2$)

3. x: 7, 8, 9, 10 y: 44, 50, 56, 62 → 6 (y moves 6 while x moves 1, and $6 \div 1 = 6$)

4. x: 9, 14, 19, 24 y: 77, 117, 157, 197 → 8 (y moves 40 while x moves 5, and $40 \div 5 = 8$)

5. x: 7, 8, 9, 10 y: 116, 128, 140, 152 → 12 (y moves 12 while x moves 1, and $12 \div 1 = 12$)

6. x: 6, 7, 8, 9 y: 86, 94, 102, 110 → 8 (y moves 8 while x moves 1, and $8 \div 1 = 8$)

7. x: 3, 8, 13, 18 y: 69, 59, 49, 39 → -2 (y moves -10 while x moves 5, and $-10 \div 5 = -2$)

8. x: 2, 5, 8, 11 y: 29, 32, 35, 38 → 1 (y moves 3 while x moves 3, and $3 \div 3 = 1$)