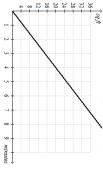
Samantha paints at a constant rate. Below is a graph showing her progress.



Her sister, Jenny, paints at a constant rate as well. Jenny can paint 78 square feet in 13 minutes. Which of the following statements are true?

- Jenny paints 105 square feet in 21 minutes.
- d. c. Samantha paints at a slower rate than Jenny.
  Samantha paints 105 square feet in 21 minutes.
  Samantha paints at a faster rate than Jenny.

math8\_04\_22\_examples\_notes.gwb - 3/8 - Thu Nov 14 2019 16:49:48



Faucet A is leaking at a constant rate. It is leaking 3 gallons every hour. This can be expressed as an equation where y is the number of gallons and x is the number of hours: y = 3x.

of the leak in y gallons after x hours Faucet B is also leaking at a constant rate. The table below shows the amount

_	_	_	_	_
7	5	4	3	Hours (x)
28	20	16	12	Gallons (y)

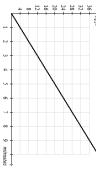
Which of the following statements are true?

- Faucet A leaks more than faucet B.
- **5**. Faucet A will leak 60 gallons in 15 hours.
- è. Faucet A leaks less than faucet B.
- Faucet B will leak 60 gallons in 15 hours

## ExamView

math8\_04\_22\_examples\_notes.gwb - 2/8 - Thu Nov 14 2019 16:47:32

Kristina paints at a constant rate. Below is a graph showing her progress. sqft



www.mrtownsend.com

Her sister, Alice, paints at a constant rate as well. Alice can paint 39 square feet in 13 minutes. Which of the following statements are true?

- a. Kristina paints at a taster rate than Alice.
  b. Kristina paints at a slower rate than Alice.
  c. Alice paints 92 square feet in 23 minutes.
  d. Kristina paints 92 square feet in 23 minutes.

ExamView

math8\_04\_22\_examples\_notes.gwb - 4/8 - Thu Nov 14 2019 16:51:02

Faucet A is leaking at a constant rate. It is leaking 5 gallons every hour. This can be expressed as an equation where y is the number of gallons and x is the number of hours: y = 5x.

of the leak in y gallons after x hours Faucet B is also leaking at a constant rate. The table below shows the amount

8	5	5	2	Hours $(x)$
32	20	20	8	Gallons (y)

Which of the following statements are true?

- a. Faucet B will leak 60 gallons in 12 h
   b. Faucet A leaks more than faucet B. Faucet B will leak 60 gallons in 12 hours
- ë. Faucet A leaks less than faucet B.
- Faucet A will leak 60 gallons in 12 hours

1

## ExamView

Faucet  $\boldsymbol{A}$  is leaking at a constant rate. The graph below shows the amount of the leak



Faucet B is also leaking at a constant rate. The table below shows the amount of the leak in y gallons after x hours.

×	6	5	2	Hours (x)	, 0
40	30	25	10	Gallons (y)	

Which of the following statements are true?

- Faucet A leaks less than faucet B.
   Faucet B will leak 60 gallons in 15 hours.
   Faucet A will leak 60 gallons in 15 hours.
   A leaks more than faucet B.

## math8\_04\_22\_examples\_notes.gwb - 7/8 - Thu Nov 14 2019 16:55:14



Faucet A is leaking at a constant rate. The graph below shows the amount of the leak



Faucet B is also leaking at a constant rate. The table below shows the amount of the leak in y galons after x hours.

>>	5	4	3	Hours (x)	
26	35	28	21	Gallons (y)	

Which of the following statements are true?

- a. Faucet A leaks more than faucet B.
  b. Faucet B will leak 84 gallons in 14 hours.
  c. Faucet A leaks less than faucet B.
  d. Faucet A will leak 84 gallons in 14 hours.

ExamView

math8\_04\_22\_examples\_notes.gwb - 6/8 - Thu Nov 14 2019 16:53:52

Faucet A is leaking at a constant rate. The graph below shows the amount of the leak.

www.mrtownsend.com

Faucet B is also leaking at a constant rate. The table below shows the amount of the leak in y galons after x hours.

6	4	3	Hours (x)	, 0
48	32	24	Gallons (y)	

- a. Faucet B will leak 91 gallons in 13 hours.
  b. Faucet A leaks less than faucet B.
  c. Faucet A will leak 91 gallons in 13 hours.
  d. Faucet A leaks more than faucet B.

Which of the following statements are true?

ExamView

math8\_04\_22\_examples\_notes.gwb - 8/8 - Thu Nov 14 2019 16:57:24

Becky paints at a constant rate. Below is a graph showing her progress.



in 11 minutes. Which of the following statements are true? Her sister, Alice, paints at a constant rate as well. Alice can paint 44 square feet

- a. Becky paints 96 square feet in 24 minutes.
  b. Becky paints at a faster rate than Alice.
  c. Becky paints at a slower rate than Alice.
  d. Alice paints 96 square feet in 24 minutes.

2