

Sample Pages Grade 8 SE

TEKS-tivities

to the TEKS



Math

A *Slope and y-intercept*
Example Activity Numerical Representations and Relationships TEKS 8.4B Readiness Standard

Activity 3: 8.4B

Joanie is in charge of getting chaperones for her school dance. There will be 2 chaperones for every 40 students.

1 Graph this relationship.

2 What is the relationship between the students as a unit rate?

Jamar is getting ready for a 5K run. He has to run at the same rate.

3 Graph this relationship.

4 If he continues to run at the same rate...

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A *Linear Relationships*
Example Activity Computations and Algebraic Relationships TEKS 8.5F Supporting Standard

Activity 3: 8.5F

Place a P in the box of the proportional relationships and an N in the box of the non-proportional relationships.

X	Y
1	8
2	16
3	24
4	32

$y = 35x + 10$

X	Y
1	8
2	13
3	18
4	23

$y = 5x + 12$

X	Y
1	12
2	24
3	36
4	48

How do you distinguish between a proportional and a non-proportional relationship?

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FA *Slope and y-intercept*
Example Activity Numerical Representations and Relationships Unit 2: TEKS 8.4A, 8.4B, 8.4C

Activity 3: 8.4A

1 Which proportion can be used to show that the slope of GF is equal to the slope of FE? (8.4A, 8.5, R, C1)

A $\frac{3}{4} = \frac{2}{3}$
B $\frac{3}{4} = \frac{3}{4}$
C $\frac{3}{4} = \frac{4}{3}$
D $\frac{3}{4} = \frac{4}{4}$

2 Juan is filling a hole with dirt. The graph shows the rate at which Juan is working.

What is the rate of change for filling the hole? (8.4C, 8.5, R, C1)

Filling a Hole

F 1 foot per 3.5 hours
G 3.5 feet per hour
H 4.5 feet per hour
J 1 foot per 4.5 hours

3 Determine the slope and y-intercept of the graph? (8.4C, 8.5, R, C1)

A Slope $\frac{1}{2}$, y-intercept -2

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A *Linear Relationships*
Example Activity Computations and Algebraic Relationships TEKS 8.5G Readiness Standard

Activity 4: 8.5G

FUNCTION FIND: Shade the puzzle pieces that can be identified as functions. Explain your thinking.

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Activities and Unit Assessments

- Written specifically for the TEKS
- Focus on verb, content, and method of implementation defined by each TEKS