

SpiralEd Solutions



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CAMT 2018

Spiraling to Success

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Learning how to learn...for math and for life.

- Having the words to “talk the talk”....developing useful vocabulary.
- Having the moves to “walk the walk”...active engagement and accountability.
- Having the questions to “think great thoughts”...one more round.

Vocabulary

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Having the words to “talk the talk”....developing useful vocabulary.

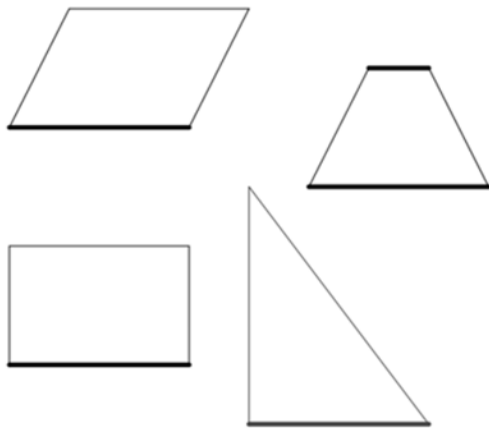
- Visual examples
- Four words per week
- Complete in first semester
- Varied, daily practice
- Accountability

Vocabulary

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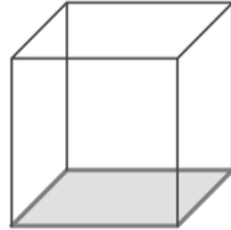
48

The length of an edge of a polygon,
used to find the area.



49

The area of one face of a prism,
used to find the volume.



51

M i d ★ d l e

#1 order numbers

#2 find the middle

5, 2, 3, 4, 6

2, 3, 4, 5, 6



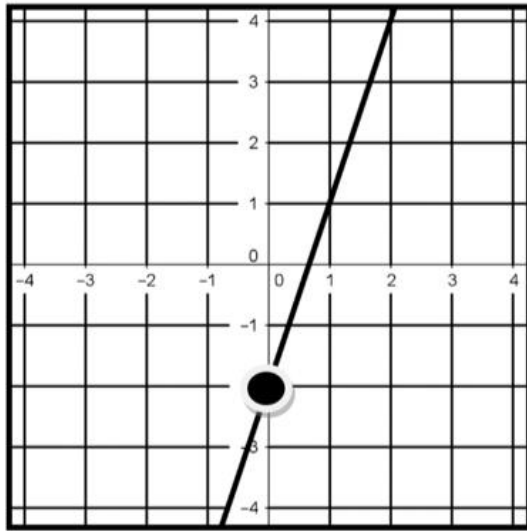
a measure of center

Vocabulary

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10

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$(0, -2)$

12

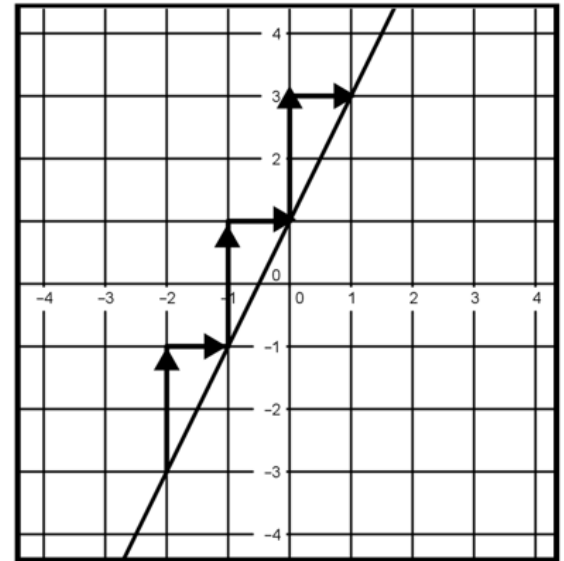
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$$y = mx + b$$

Four black arrows point towards the variables in the equation: one to 'y', one to 'm', one to 'x', and one to 'b'.

4

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$m = 2$

Wall Work

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Having the moves to “walk the walk”...active engagement and accountability.

- Quick, active engagement
- Easy prep
- Student success and “buy in”
- Simple accountability
- Flexible materials

Wall Work

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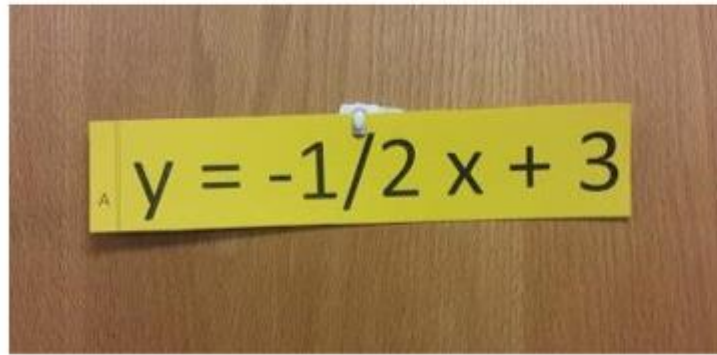
Command Small Hooks



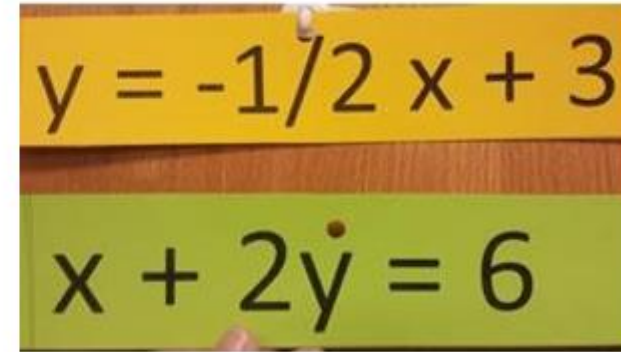
Craft Magnets for White Boards



Hook Attached to Magnet



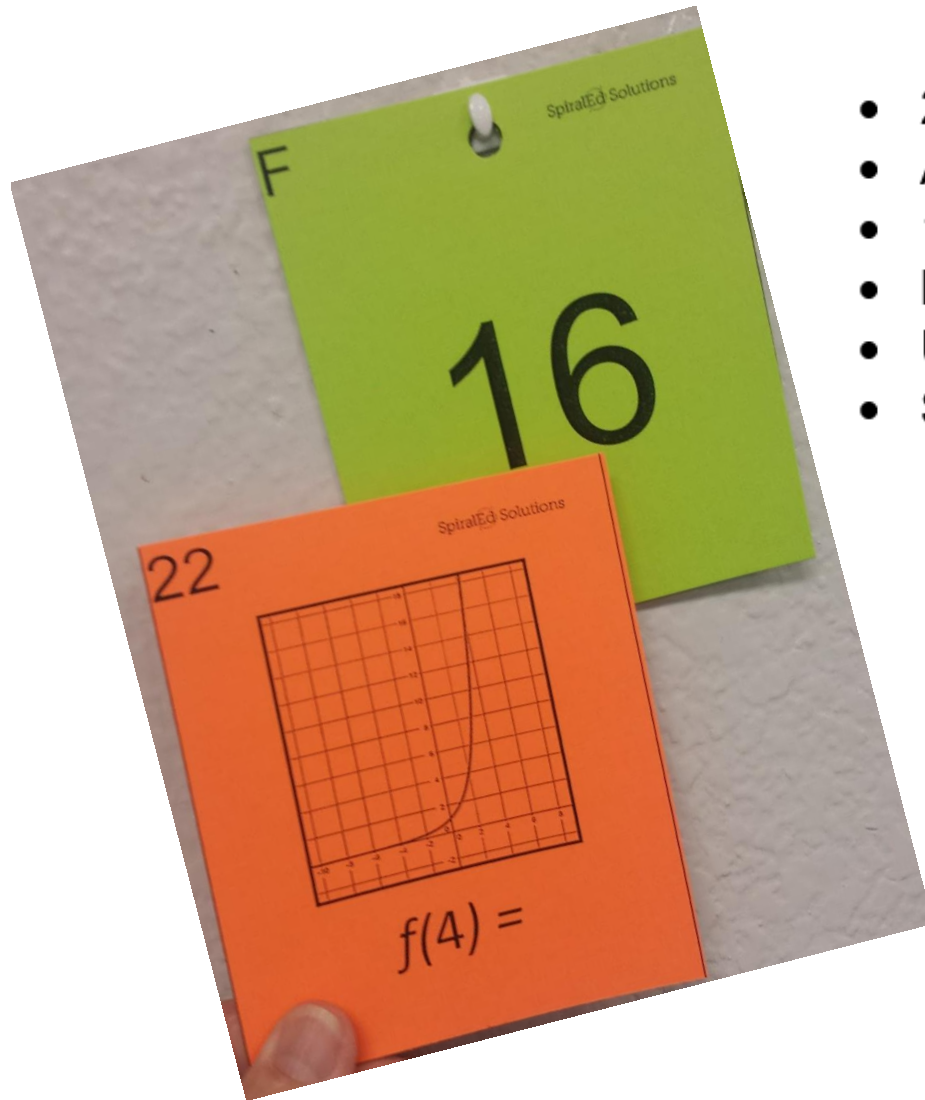
Hang answer cards on hooks.



Students move to match problems to answers on wall.

Wall Work

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- 24 questions and answers per set
- Answer key for self-check
- 13 sheets of cardstock, colored paper, or white paper
- Layer for multiple classes
- Use with table groups
- Send home for practice

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Spirals

Having the questions to “think great thoughts”...one more round.

- Daily problem solving
- Yearlong accountability
- Appropriate format
- Easy to implement

Spirals

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Spiral 2

1 (7.3A)

Byron needs 142.5 meters of pipe to complete his sprinkler system. Pipe is sold in 12-foot sections. How many sections of pipe should he purchase?

F 11

G 11.5

H 12

J 13

2 (7.3B)

Alec traveled the following distances on his bike each day.

Day	Distance
Monday	10.2 km
Tuesday	$8\frac{3}{5}$ km
Wednesday	5.9 km
Thursday	$12\frac{1}{4}$ km
Friday	15.3 km

How much farther did Alec ride on Thursday and Friday than he rode on Monday and Tuesday?

A $8\frac{1}{4}$ km

B $8\frac{3}{4}$ km

C $7\frac{3}{4}$ km

D $7\frac{3}{8}$ km

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3 (7.3B)

Ainsley bought $5\frac{3}{5}$ pounds of peanuts at \$1.85 per pound, 2 pounds of cashews at \$2.26 per pound, and 3.2 pounds of almonds at \$4.50 per pound. How much did she spend?

F \$29.28

G \$19.83

H \$31.06

J \$28.29

- 6 sets per grade level
- 20 spirals per set
- 3 questions per spiral
- TEK shown with question
- Answer Key

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Spirals

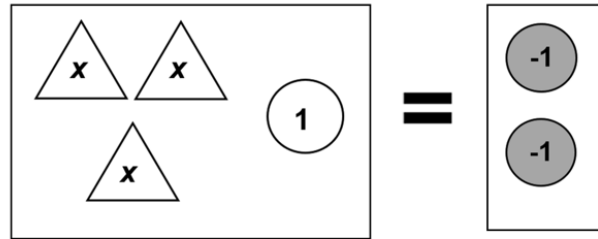
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Spiral 91

1 (7.11A)

An equation is modeled.



What value of x makes the equation true?

- A** -1 **B** 1
C -2 **D** 5

2 (7.11B)

If $x = -22$, which inequality is true?

F $\frac{x}{3} + 2 \geq -3$

G $60 < -30 - 6x$

H $\frac{x}{3} + 2 \geq -3$

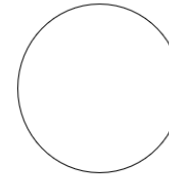
J $-1 \leq \frac{x+4}{16}$

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3 (7.9B)

The circle has a diameter of 12 centimeters.



Which measurement is closest to the area of the circle in square centimeters?

- A** 452.16 cm²
B 113.04 cm²
C 37.68 cm²
D 84.32 cm²

- 8 – 10 minutes
- Paired work or independent
- Share strategies

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Vocabulary +
Wall Work +
Spirals =

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