

1. Which number is in the thousands place in 34,196?
- A 1
  - B 3
  - C 4
- 
- 
2. A student wrote down the heights of her plants. Which list shows the heights in order from *least* to *greatest*?
- A 13.1 cm  
12.1 cm  
12.7 cm
  - B 12.7 cm  
12.1 cm  
13.1 cm
  - C 12.1 cm  
12.7 cm  
13.1 cm

3. **About** how much is  $16,317 - 14,092$ ?

A 20,000

B 2,000

C 200

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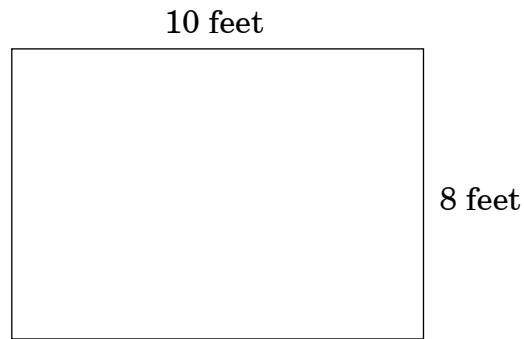
4. School lunch costs \$2.25 each day. **About** how much does it cost to buy lunch at school for five days?

A \$11.00

B \$112.00

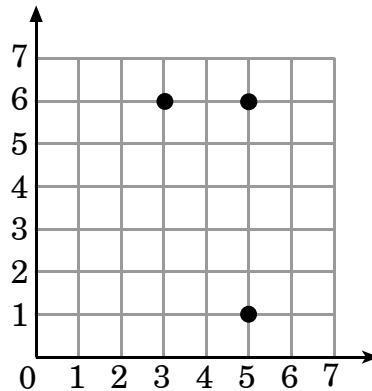
C \$1,125.00

5. Mrs. Smith wants to put a fence around her yard. Her yard is 10 feet long and 8 feet wide.



How many feet of fencing will she need?

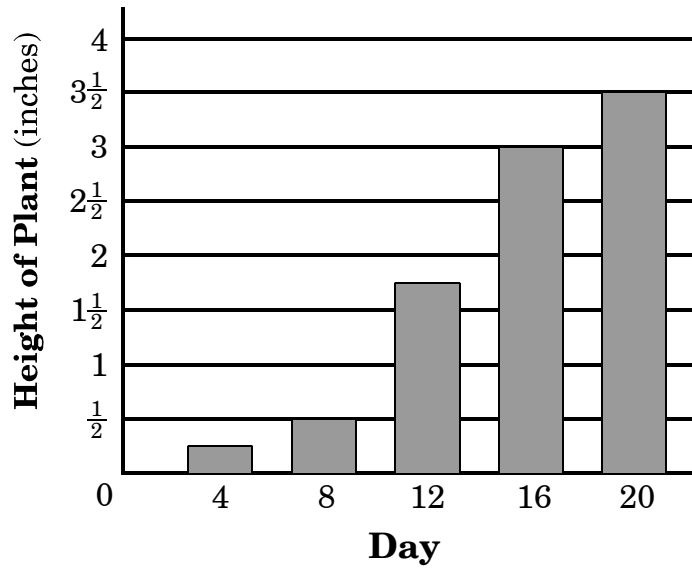
- A 18  
B 36  
C 108
- 
6. Lou is drawing points to make a rectangle.



Where should he put the last point?

- A (3, 1)  
B (1, 3)  
C (1, 5)

7. Every four days, Jason measured the height of his plant. He recorded the results in a graph.



What was the height of his plant on day 16?

- A  $\frac{1}{4}$  inch
- B 3 inches
- C 30 inches
- 
8. Mary has 2 sweaters and 2 skirts. How many outfits can she make?
- A 4 outfits
- B 9 outfits
- C 11 outfits

9. Each time Josh buys a pencil he buys 2 erasers. He buys 3 pencils. How many erasers will he buy?
- A 2
- B 3
- C 6
- 

10.  $\square = 3$     $\star = 6$     $\triangle = 5$
- What is  $\star + \triangle - \square$ ?
- A 8
- B 11
- C 13

## End of Sample Items

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## Answers to *NCEXTEND2* EOG Grade 4 Math Sample Items

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**1. Objective 1.01**

Develop number sense for rational numbers 0.01 through 99,999. a) Connect model, number word, and number using a variety of representations. b) Build understanding of place value (hundredths through ten thousands). c) Compare and order rational numbers. d) Make estimates of rational numbers in appropriate situations.

**Thinking Skill:** Organizing

**Correct Answer:** C

**2. Objective 1.01**

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**3. Objective 1.01**

Develop number sense for rational numbers 0.01 through 99,999. a) Connect model, number word, and number using a variety of representations. b) Build understanding of place value (hundredths through ten thousands). c) Compare and order rational numbers. d) Make estimates of rational numbers in appropriate situations.

**Thinking Skill:** Applying

**Correct Answer:** B

**4. Objective 1.04**

Develop fluency with addition and subtraction of non-negative rational numbers with like denominators, including decimal fractions through hundredths. a) Develop and analyze strategies for adding and subtracting numbers. b) Estimate sums and differences. c) Judge the reasonableness of solutions.

**Thinking Skill:** Applying

**Correct Answer:** A

**5. Objective 2.02**

Solve problems involving perimeter of plane figures and areas of rectangles.

**Thinking Skill:** Analyzing

**Correct Answer:** B

**6. Objective 3.01**

Use the coordinate system to describe the location and relative position of points and draw figures in the first quadrant.

**Thinking Skill:** Organizing

**Correct Answer:** A

**7. Objective 4.01**

Collect, organize, analyze, and display data (including line graphs and bar graphs) to solve problems.

**Thinking Skill:** Organizing

**Correct Answer:** B

**8. Objective 4.04**

Design experiments and list all possible outcomes and probabilities for an event.

**Thinking Skill:** Applying

**Correct Answer:** A

**9. Objective 5.01**

Identify, describe, and generalize relationships in which: a) Quantities change proportionally. b) Change in one quantity relates to change in a second quantity.

**Thinking Skill:** Applying

**Correct Answer:** C

**10. Objective 5.02**

Translate among symbolic, numeric, verbal, and pictorial representations of number relationships.

**Thinking Skill:** Applying

**Correct Answer:** A