CAHSEE Mathematics - Chapter 9

Notes To The Teacher

Using the Practice Tests

There are 2 practice tests and each test contains 80 items. Both tests are made up based on the CAHSEE blueprints and therefore contain standards-based test items in equal proportions to the number indicated on the blueprints.

Practice Test A: This test can be given before the students complete the Self – Analysis. That will give students an idea of how they will be tested before they are asked to rate themselves on the content they know.

Practice Test B: This test can be given after students have completed and reviewed the practice problems and have practiced the Test Taking Tips. It is best given under strict test taking conditions shortly before the actual CAHSEE Math test is given.

For Both Tests:
- **<u>Record the start and stop time</u>** on the page provided in the student edition. This will let students know about how much time they need to take the exam. They can also compare the time it took to complete Test A to the time it took to complete Test B to see if there is a significant difference. Where differences occur, students should be able to explain why and determine which time is reflective of what they will actually need.

- Allow a 15 minute break when students get about ½ way through. *Note: students will work at different paces so you will have to decide the ½ way point. You might try a break after 1 hour and 15 minutes which can be adjusted as needed. Although students can have as much time as they need to complete CAHSEE Math since it is untimed, you can still practice using a testing schedule similar to your school's actual schedule. Therefore, students who work faster or slower than the set norms will know that they work at a different pace. Students who work slower should be reminded to ask the test proctor for more time.

During or after completing this workbook, students are encouraged to use the <u>CAHSEE Math release test items</u> available for download on the California Department of Education (CDE) website.

The main website is www.cde.ca.gov.

Practice Test A

1. Pat bought five new books for school. The price for each book is shown below.

$9.00 $11.00 $29.00 $15.00 $21.00

What is the median price?

A. $11.00

B. $13.00

C. $15.00

D. $29.00

2. Average Money Donated to the School Fundraiser by Age

Allowance

Which statement is supported by the graph?

A. 17 year olds donated more than 13 ear olds.

B. Twenty year olds have more money than 10 year olds.

C. Thirteen year olds donated the least.

D. Ten and twenty year olds donated the same amount.

3. The number of cell phone minutes used by the Clark family last month is below:

Dad: 300
Mom: 500
Big Brother: 400
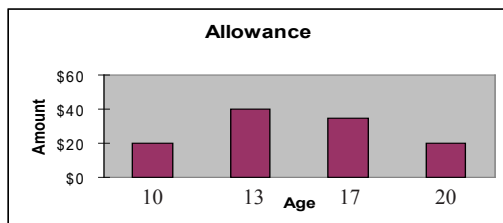Little Brother: 400
Little Sister: 900

What is the mode for last month's cell phone usage?

A. 300

B. 400

C. 450

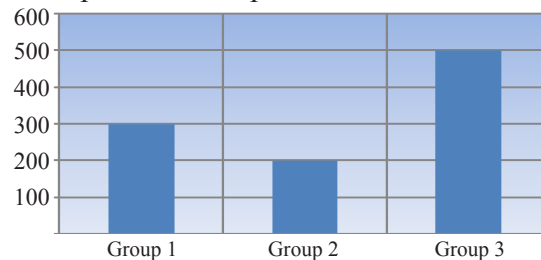D. 500

4. Group Membership

Based on the graph, which claim is valid?

A. Group 2 has more members than Group 1

B. Group 3 is the most fun

C. Group 1 has less members than Group 3

D. Group 2 doesn't do any recruiting of members.

Practice Test A

5. In a jar, there are 2 blue marbles, 3 red marbles, and 6 black marbles. When picking 1 marble at a time and keeping it, how likely is it that 2 black marbles will be pulled in a row?

A. $\dfrac{6}{11} \times \dfrac{1}{2}$

B. $\dfrac{6}{11} + \dfrac{1}{2}$

C. $\dfrac{6}{11} \times \dfrac{1}{10}$

D. $\dfrac{2}{11} \times \dfrac{1}{10}$

6. A cheerleading squad has the uniform pieces listed below. The diagram shows the different outfit combinations.

	Sweater	Shirt	Vest
Pants	Sweater w/ Pants	Shirt w/ Pants	Vest w/ Pants
Shorts	Sweater w/ Shorts	Shirt w/ Shorts	Vest w/ Shorts
Straight Skirt	Sweater w/ Straight Skirt	Shirt w/ Straight Skirt	Vest w/ Straight Skirt
Pleated Skirt	Sweater w/ Pleated Skirt	Shirt w/ Pleated Skirt	Vest w/ Pleated Skirt

If the coach chooses the outfit, how likely is it that the cheerleaders will wear the vest with shorts?

A. $\dfrac{1}{12}$

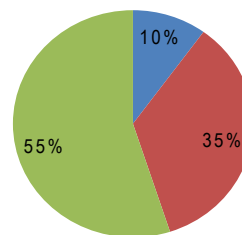B. $\dfrac{1}{4}$

C. $\dfrac{1}{3}$

D. $\dfrac{3}{4}$

7. Julio received the following scores on his tests.
73, 73, 78, 80, 86, 90.
What is his mean score?

A. 73

B. 79

C. 80

D. 86

8.

One Thousand people chose their favorite color. The results are shown in the pie chart. How many people chose blue?

A. 10

B. 100

C. 350

D. 550

9. Raquel got 38 questions right on a 40 item test. What percent of the questions did Raquel get right?

A. 38%

B. 78%

C. 95%

D. 98%