CAHSEE Mathematics - Chapter 9

PRACTICE TEST A

The practice test has 80 items. You should take the test after you have completed your CAHSEE math study plan and are confident that you have studied and learned all of the math content being tested.

The practice test is designed to be taken in one sitting. Pay attention to the time you spend completing the practice test by filling in the blanks below. Since the CAHSEE is not a timed test, you can take as much time as you need. Therefore, when you take the real exam, be sure that you ask the proctor for at least the amount of time it took to take the practice exam plus 20 additional minutes for the additional 12 field test questions.
To solve the word problems, read carefully and follow the directions in the problem.

Write down the time you begin the practice test as well as the time when you finish.

Start Time: _____

Stop Time: _____

**Total time needed to
complete the practice test:** _____

+20 minutes

TOTAL: _____

This is the total estimated time you will need to complete the CAHSEE Math exam. Be sure to ask the CAHSEE math test proctor for at least this much time.

Note: The problems on Practice Exam A are purposefully similar to many of the practice problems in this workbook. In some cases, the problems are the same. However, you should take time to solve each problem individually without assuming the correct answer will be the same as in the practice problem.

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

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

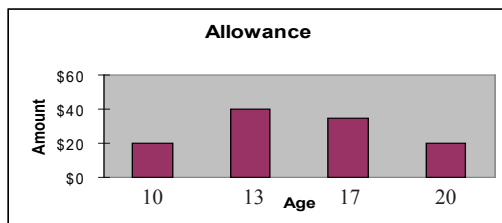Dad: 300
Mom: 500
Big Brother: 400
Little Brother: 400
Little Sister: 900

What is the mode for last month's cell phone usage?
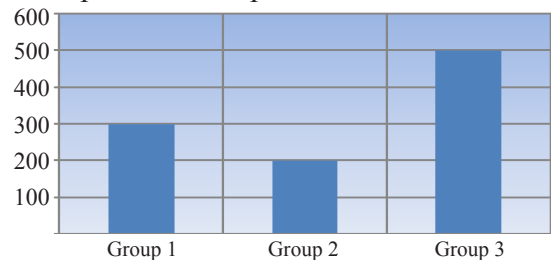
A. 300

B. 400

C. 450

D. 500

2. Average Money Donated to the School Fundraiser by Age

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.

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. $\dfrac{1}{12}$

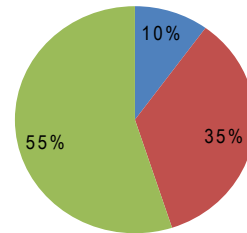B. $\dfrac{1}{4}$

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%