

Session 2A — Mathematics
(Calculator Not Allowed) Practice Test

MATHEMATICS (CALCULATOR NOT ALLOWED) — SESSION 2A

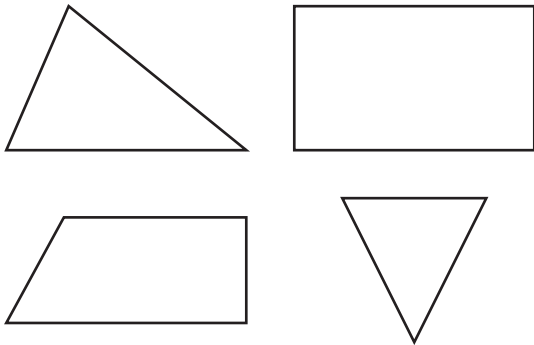
This practice session has fourteen multiple-choice questions, one short-answer question, and one question that will ask you to write out your answer.

Choose the best answer for each multiple-choice question. Fill in the circle next to your answer choices for questions 1 through 14. Multiple-choice questions are worth 1 point each.

- 1 Jade used 108 blocks to build a rocket. She used 246 blocks to build a castle. How many more blocks did Jade use to build the castle than the rocket?

- A. 138
- B. 142
- C. 344
- D. 354

- 2 Joey traced the shapes shown below.

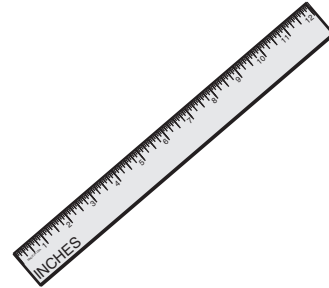


How many triangles did Joey trace?

- A. 1
- B. 2
- C. 3
- D. 4

- 3 Anna wants to measure how long it takes to brush her teeth. Which tool should Anna use?

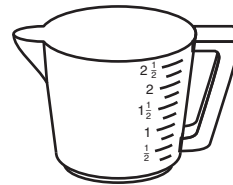
- A.



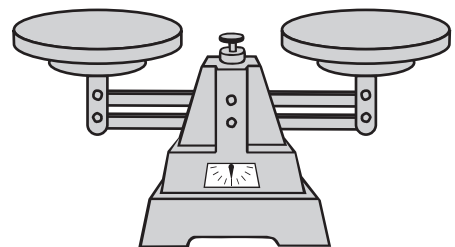
- B.



- C.



- D.



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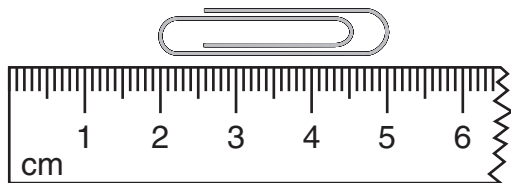
- 4 Laney is solving the problem shown below.

$$137 + \square = 543$$

What number belongs in the box?

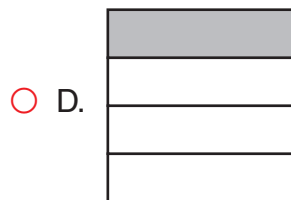
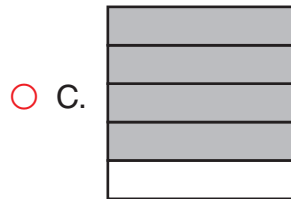
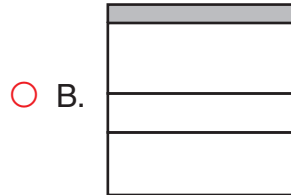
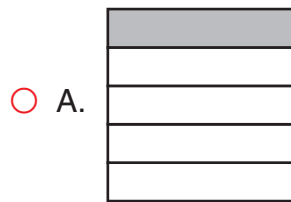
- A. 406
- B. 414
- C. 670
- D. 680

Use the picture below to answer question 5.



- 5 What is the length of the paper clip to the nearest centimeter?
- A. 2
 - B. 3
 - C. 5
 - D. 6

- 6 Which square is $\frac{1}{4}$ shaded?

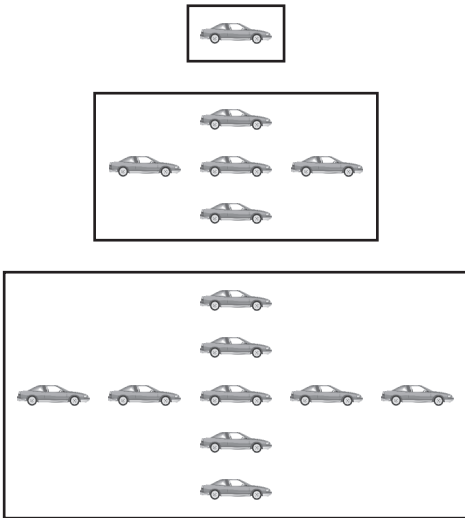


- 7 Which number sentence is correct?

- A. $10 + 10 + 10 + 4 = 30$
- B. $10 + 10 + 10 + 4 = 34$
- C. $10 + 10 + 10 + 4 = 70$
- D. $10 + 10 + 10 + 4 = 304$

PLEASE GO ON 

- 8 Richard is making this pattern using his toy cars.



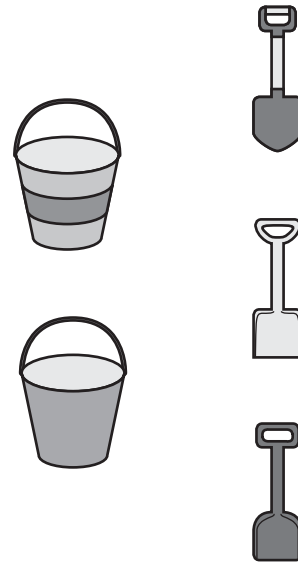
How many cars belong in the next group?

- A. 15
 - B. 13
 - C. 9
 - D. 4
- 9 Mr. Jones bought some apples.
- He used 10 of the apples to bake a pie.
 - Now he has 8 apples left.

Which number sentence matches this story?

- A. $10 - 8 = \square$
- B. $\square + 10 = 8$
- C. $8 + \square = 10$
- D. $\square - 10 = 8$

- 10 Sara wants to choose one pail and one shovel. She can choose from the pails and shovels shown below.

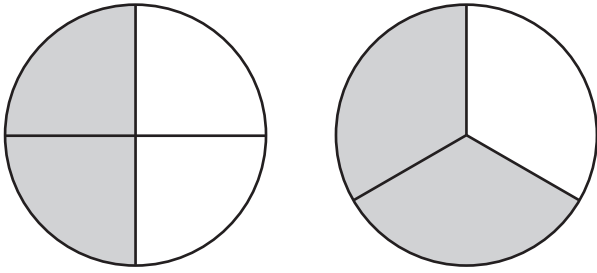


How many different ways can Sara choose one pail and one shovel?

- A. 2
- B. 3
- C. 5
- D. 6

PLEASE GO ON 

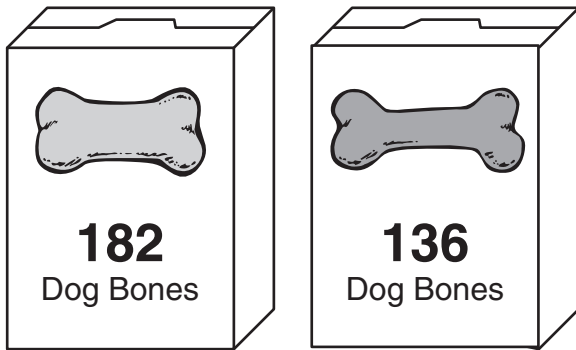
Use the circles below to help you answer question 11.



11 Which number sentence is true?

- A. $\frac{2}{3}$ is greater than $\frac{2}{4}$.
- B. $\frac{2}{4}$ is equal to $\frac{2}{3}$.
- C. $\frac{2}{3}$ is less than $\frac{2}{4}$.
- D. $\frac{2}{4}$ is greater than $\frac{2}{3}$.

12 Mr. Harris bought the boxes of dog bones shown below.



Which is the **closest** estimate for the total number of dog bones Mr. Harris bought?

- A. 200
- B. 300
- C. 400
- D. 500

13 Which triangle is shown with a line of symmetry?

- A.
- B.
- C.
- D.

PLEASE GO ON →

- 14 The calendar below shows Peter's birthday.

September						
Sun.	Mon.	Tues.	Wed.	Thur.	Fri.	Sat.
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16 <i>Peter</i>	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

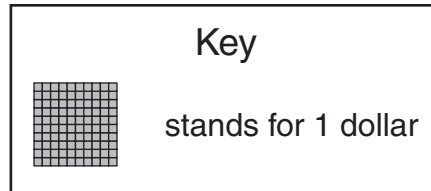
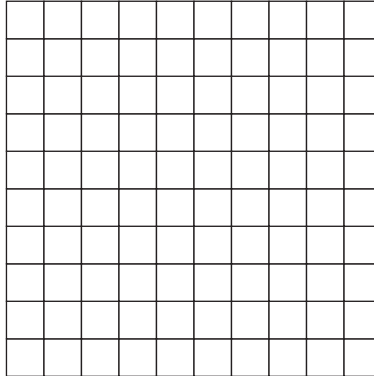
Kim's birthday is 1 week and 3 days **before** Peter's birthday. What is the date of Kim's birthday?

- A. September 6
- B. September 12
- C. September 20
- D. September 26

PLEASE GO ON →

Write your answer to this short-answer question in the boxes below. Be sure to answer all parts of the question. This short-answer question is worth up to 2 points.

- 15 a. Nicole has 1 quarter and 1 dime in her pocket. Shade the grid below to show how much money she has in her pocket.



- b. What is the total value of the money in Nicole's pocket? Be sure to use a dollar sign (\$) and a decimal point (.) to write your answer.

PLEASE GO ON →

Write your answer to this question in the boxes below. Be sure to answer all parts of the question. This question is worth up to 4 points.

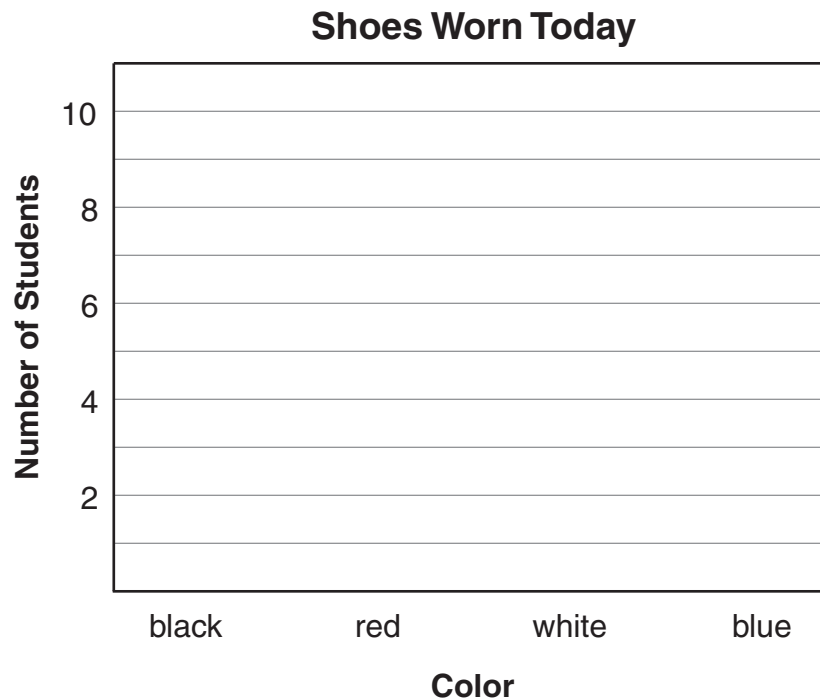
16 Mrs. Wilson asked her students what color shoes they are wearing today. This is what the students answered:

- 5 students had black shoes
- 3 students had red shoes
- 8 students had white shoes
- the rest of the students had blue shoes

There are 18 students in Mrs. Wilson's class.

a. How many students answered "blue shoes"? Show or explain how you found your answer.

b. Complete the bar graph below to show how many students are wearing each color of shoe.



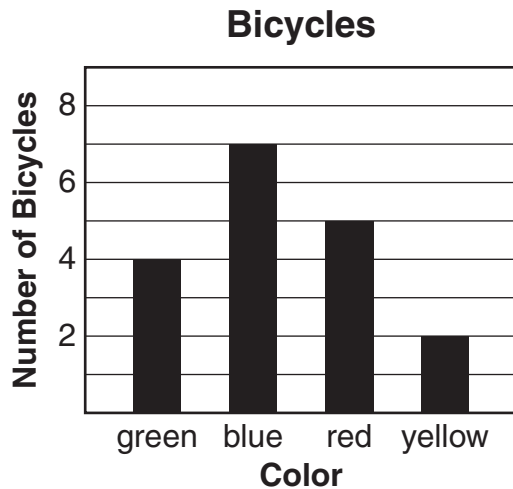
**Session 2B — Mathematics
(Calculator Allowed) Practice Test**

MATHEMATICS (CALCULATOR ALLOWED) — SESSION 2B

This practice session has two multiple-choice questions and two short-answer questions.

Choose the best answer for each multiple-choice question. Fill in the circle next to your answer choices for questions 17 and 18. Multiple-choice questions are worth 1 point each.

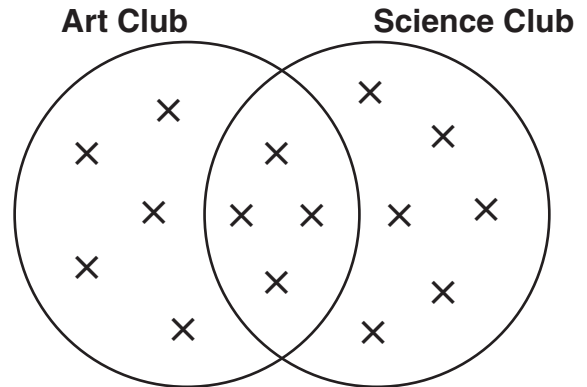
- 17 Mr. Lee made the bar graph below to show the colors of his students' bicycles.



How many more blue bicycles are there than yellow bicycles?

- A. 5
- B. 6
- C. 7
- D. 9

- 18 The students in Mrs. Miller's class made the Venn diagram below to show the number of students in two different clubs.



X stands for 1 student

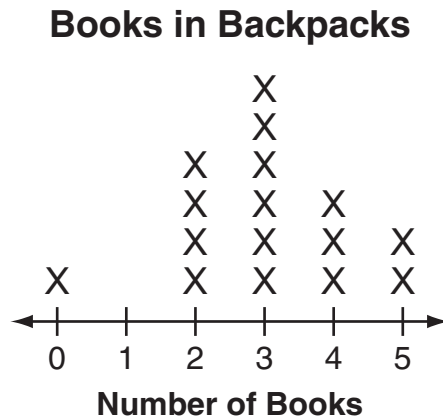
How many students are in the Science Club?

- A. 4
- B. 6
- C. 10
- D. 15

PLEASE GO ON →

Write your answers to short-answer questions 19 and 20 in the boxes below the questions. Be sure to answer all parts of the questions. These short-answer questions are worth up to 2 points each.

- 19 The line plot below shows the number of books some students have in their backpack.



Key

X stands for 1 student

- a. How many students have exactly 2 books in their backpack?

a.

- b. What is the **most common** number of books these students have in their backpacks?

b.

PLEASE GO ON →

20 Ralph drew the shapes below. Put an **X** on all the rectangles Ralph drew.

