

PRACTICE TEST

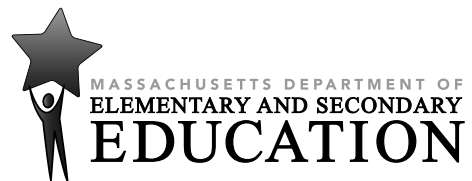
Mathematics

Grade 3

Student Name

School Name

District Name



Grade 3 Mathematics

SESSION 1

This session contains 6 questions.

You may **not** use a calculator during this session.



Directions

Read each question carefully and then answer it as well as you can. You must record all answers in this Practice Test Booklet.

For some questions, you will mark your answers by filling in the circles in your Practice Test Booklet. Make sure you darken the circles completely. Do not make any marks outside of the circles. If you need to change an answer, be sure to erase your first answer completely.

For other questions, you will need to fill in an answer grid. Directions for completing questions with answer grids are provided on the next page.

If a question asks you to show or explain your work, you must do so to receive full credit. Write your response in the space provided. Only responses written within the provided space will be scored.

Directions for Completing Questions with Answer Grids

1. Work the question and find an answer.
2. Write your answer in the boxes at the top of the grid.
3. Print only one number or symbol in each box. Do not leave a blank box in the middle of an answer.
4. Under each box, fill in the circle that matches the number or symbol you wrote above. Make a solid mark that completely fills the circle.
5. Do not fill in a circle under an unused box.
6. If you need to change an answer, be sure to erase your first answer completely.
7. See below for examples on how to correctly complete an answer grid.

EXAMPLES

To answer 632 in a question, fill in the answer grid as shown below.

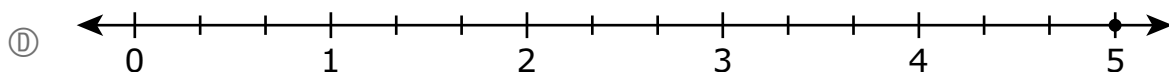
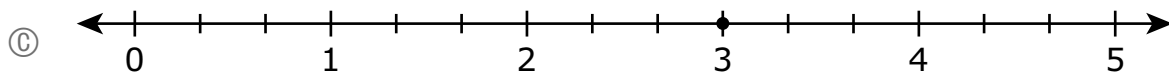
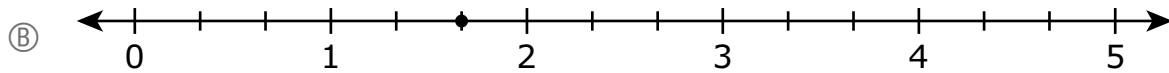
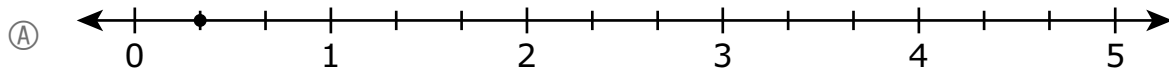
6	3	2			
○	○	○	○	○	○
0	0	0	0	0	0
1	1	1	1	1	1
2	2	●	2	2	2
3	●	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
●	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

A brick path has 10 rows of 4 bricks. What is the total number of bricks in the path?

Enter your answer in the box.

4	0				
○	○	○	○	○	○
0	●	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
●	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

1 Which number line shows the correct location of the number $\frac{5}{3}$?



2 A pet store has 5 fish tanks with 10 fish in each tank. A shopper buys 8 fish and takes them home.

After the shopper leaves the store, what is the total number of fish left in the pet store's tanks?

- (A) 23
- (B) 42
- (C) 50
- (D) 58

3 Compute:

$$42 \div 7$$

Enter your answer in the box.

⊖	⊖	⊖	⊖	⊖	⊖
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

- 4 Jana gets a sticker for every 5 minutes she spends on her chores each day. She puts them on a picture graph as shown.

Jana's Chores

Day	Minutes of Chores
Monday	★ ★ ★ ★
Tuesday	★ ★ ★ ★ ★
Wednesday	★ ★ ★ ★
Thursday	★ ★ ★ ★ ★ ★
Friday	

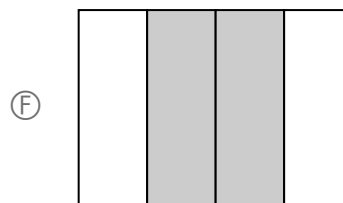
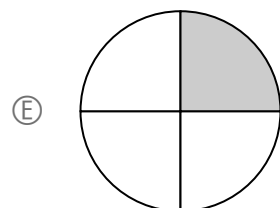
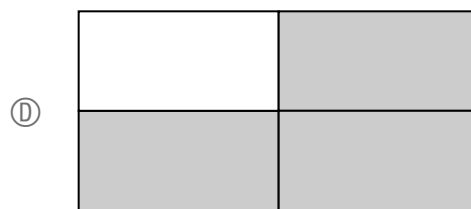
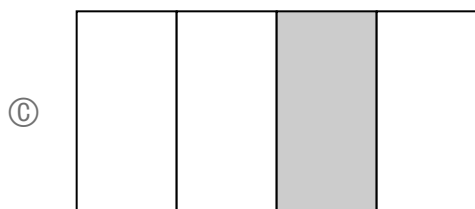
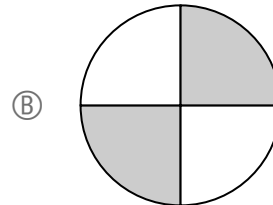
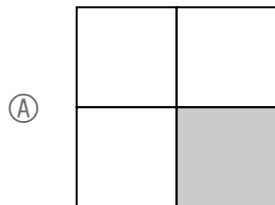
KEY	
★	= 5 minutes

Jana spends a total of 130 minutes doing chores during the week. How many stickers should Jana get on Friday?

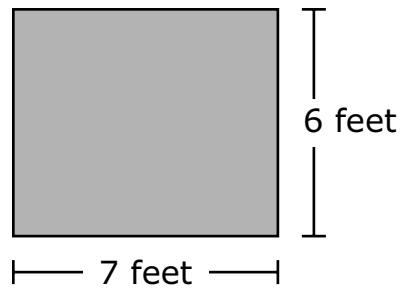
- (A) 5
- (B) 7
- (C) 19
- (D) 35

- 5 Each model equals one whole divided into equal parts. Which models show $\frac{1}{4}$ shaded?

Select the **three** correct answers.



- 6 Ms. Shaw has a quilt that is in the shape of a rectangle. The quilt is 7 feet long and 6 feet wide, as shown.



Part A

What is the perimeter, in feet, of Ms. Shaw's quilt? Show or explain how you got your answer.

Enter your answer and your work or explanation in the space provided.

Part B

Ms. Garcia also has a quilt in the shape of a rectangle. Ms. Garcia's quilt has the same perimeter as Ms. Shaw's quilt but has a different area.

What could be the length and the width, in feet, of Ms. Garcia's quilt? Show or explain how you got your answer.

Enter your answer and your work or explanation in the space provided.

Grade 3 Mathematics

SESSION 2

This session contains 6 questions.

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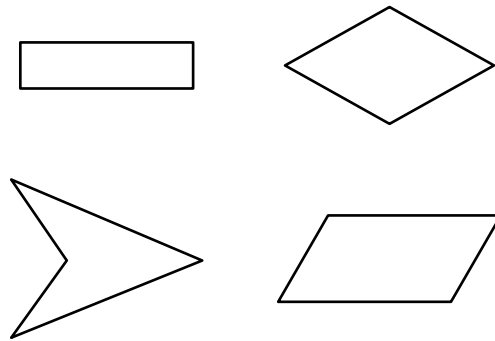
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○	○	○	○	○	○
0	0	0	0	0	0
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4	4	4	4	4	4
5	5	5	5	5	5
●	6	6	6	6	6
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8	8	8	8	8	8
9	9	9	9	9	9

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○	○	○	○	○	○
0	●	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
●	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

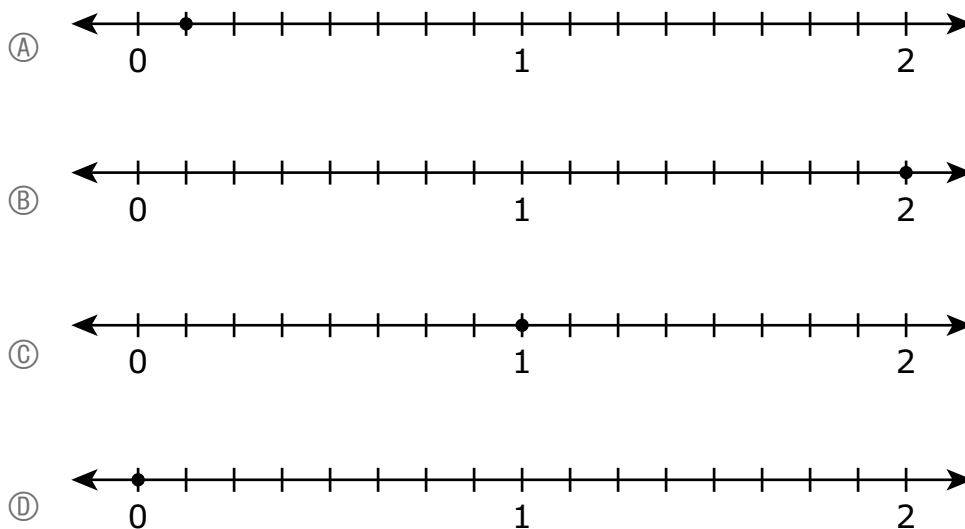
7 Mr. Jacobs showed these shapes to his class.



Which word describes **all** of the shapes?

- (A) squares
- (B) triangles
- (C) rectangles
- (D) quadrilaterals

8 Which number line shows a point at $\frac{8}{8}$?

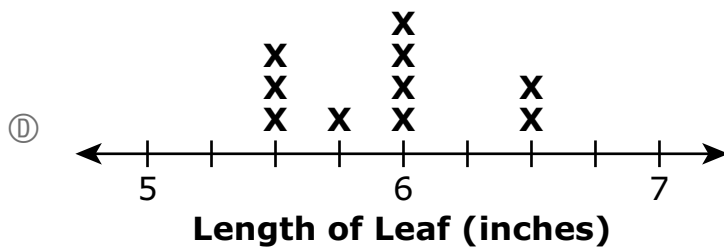
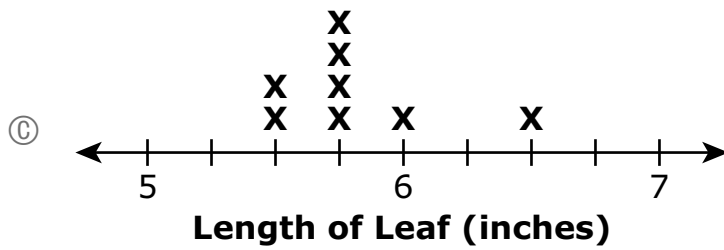
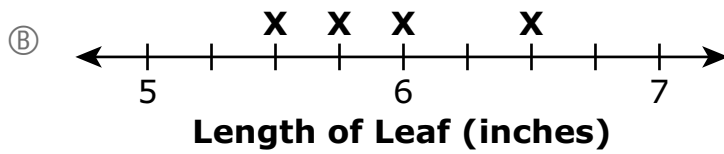
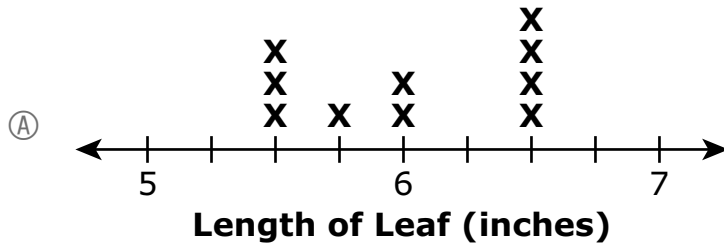


- 9 Eric measures 10 leaves with a ruler. He records the lengths as shown.

Lengths of Leaves (inches)

$$5\frac{1}{2}, 6\frac{1}{2}, 6\frac{1}{2}, 6, 5\frac{3}{4}, 5\frac{1}{2}, 6, 6, 5\frac{1}{2}, 6$$

Which line plot shows the lengths of the leaves recorded correctly?



- 10** Third-grade students took a total of 1,000 pictures for the yearbook during the school year.
- Ted took 72 pictures.
 - Mary took 48 pictures.

Part A

What is the total number of pictures taken by the rest of the third-grade students during the school year?

Enter your answer in the box.

•	•	•	•	•	•
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

Part B

Ella took 8 more pictures than Ted took. How many more pictures did Ella take than Mary?

Enter your answer in the box.

•	•	•	•	•	•
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

11 Which **two** ways show how to find the value of 7×40 ?

Select the **two** correct answers.

Ⓐ 7×4

Ⓑ 4×10

Ⓒ $7 \times 4 \times 10$

Ⓓ 7 groups of 4 ones

Ⓔ 7 groups of 4 tens

- 12** Cindy is finding the quotient for $27 \div 9$. She says, "The answer is 18 because addition is the opposite of division and $9 + 18 = 27$."

Part A

Identify the incorrect reasoning in Cindy's statement.

Enter your explanation in the space provided.

Part B

Show or explain how Cindy can correct her reasoning.

Find the quotient when 27 is divided by 9.

Enter your answer and your work or explanation in the space provided.