



Georgia CRCT-M

Sample Items

Grade 4

MATHEMATICS

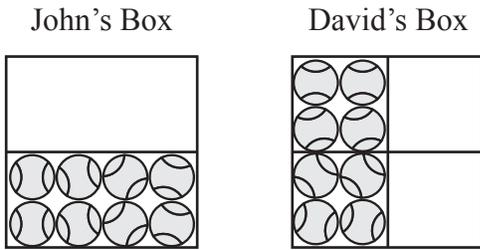


Original CRCT

Grade 4 Items **MATHEMATICS**

MATHEMATICS

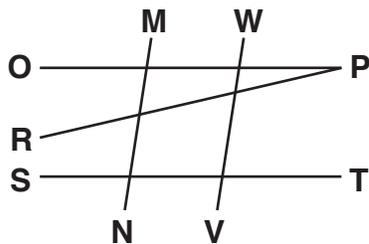
1. Look at the 2 boxes.



John fills $\frac{1}{2}$ of his box with tennis balls. If David fills the same fraction of his box as John, what fraction of David's box is filled?

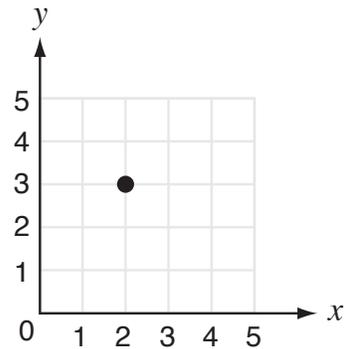
- A. $\frac{3}{4}$
- B. $\frac{2}{2}$
- C. $\frac{1}{4}$
- * D. $\frac{2}{4}$

2. Which line segment is parallel to \overline{MN} ?



- * A. \overline{WV}
- B. \overline{OP}
- C. \overline{ST}
- D. \overline{RP}

3. What is the ordered pair of the point on the graph?



- A. (3, 2)
- B. (1, 3)
- * C. (2, 3)
- D. (3, 1)

4. What number belongs in the box to make the number sentence true?

$$(2 + 1) + 3 = \square + (1 + 3)$$

- A. 1
- * B. 2
- C. 3
- D. 6

5. Solve.

$$3 \times (4 + 5) = \square$$

- * A. 27
- B. 30
- C. 36
- D. 39

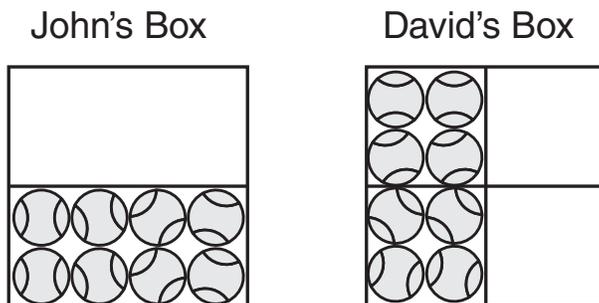


Grade 4 Items

MATHEMATICS

MATHEMATICS

1. Look at the 2 boxes.



John fills $\frac{1}{2}$ of his box with tennis balls. If David fills the same fraction of his box as John, what fraction of David's box is filled?

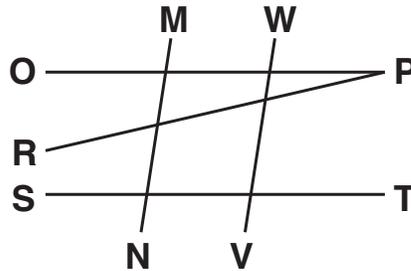
- A. $\frac{3}{4}$
- B. $\frac{2}{2}$
- C. $\frac{1}{4}$
- D. $\frac{2}{4}$

Helpful Hint

The two fractions
must be equal.

MATHEMATICS

2. Which line segment is **parallel** to \overline{MN} ?

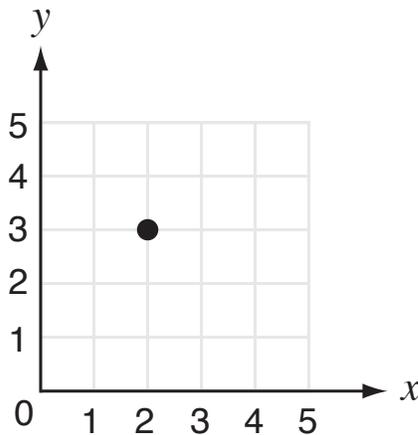


- A. \overline{WV}
- B. \overline{OP}
- C. \overline{ST}
- D. \overline{RP}

Helpful Hint

Parallel lines: Lines that are the same distance apart and will never intersect.

3. What is the ordered pair of the point on the graph?



- A. (3, 2)
- B. (1, 3)
- C. (2, 3)
- D. (3, 1)

Helpful Hint

(x , y)

MATHEMATICS

4. What number belongs in the box to make the number sentence TRUE?

$$(2 + 1) + 3 = \square + (1 + 3)$$

- A. 1
- B. 2
- C. 3
- D. 6

Helpful Hint

Apply a mathematical property to solve the problem.

5. Solve.

$$3 \times (4 + 5) = \square$$

- A. 27
- B. 30
- C. 36
- D. 39

Item Sequence	Georgia Performance Standard	KEY
1	Domain: Number & Operations M4N6. Students will further develop their understanding of the meaning of decimal fractions and common fractions and use them in computations. a. Understand representations of equivalent fractions and/or decimal fractions.	D
2	Domain: Geometry M4G2. Students will understand fundamental solid figures. b. Describe parallel and perpendicular lines and planes in connection with the rectangular prism.	A
3	Domain: Geometry M4G3. Students will use the coordinate system. b. Locate a point in the first quadrant in the coordinate plane and name the ordered pair.	C
4	Domain: Number and Operations M4N7. Students will explain and use properties of the four arithmetic operations to solve and check problems. c. Compute using the commutative, associative, and distributive properties.	B
5	Domain: Number and Operations M4N7. Students will explain and use properties of the four arithmetic operations to solve and check problems. b. Compute using the order of operations, including parentheses.	A

Item Sequence	Commentary
All	<ul style="list-style-type: none">• The font size was increased on all items.• Geometric figures and other graphic images were enlarged.• The line spacing between items was increased.
1	A helpful hint was added to remind the student that the fractions must be equal.
2	<ul style="list-style-type: none">• The term parallel was boldfaced to help the student focus on critical information.• A helpful hint box was added with the definition of parallel lines to help the student focus on applying the concept being assessed.
3	A helpful hint was added to show how an ordered pair is represented to reduce the cognitive load.
4	A helpful hint was added to focus the student on applying a mathematical property to solve the problem.
5	No changes have been made.