LEVEL

F

Next Generation NY Math Rehearsal®

Plus Instruction

Teacher's Guide and Extended Answer Key

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Instructional Practice with Guides

1 C Standard: 6.EE.B2b

Guide: Solve the right side of the equation and then use inverse operations to find *t*.

2 B Standard: 6.RP.1

Guide: Remember that order matters when selecting the parts of the ratio and that ratios are always expressed in simplest form.

3 B Standard: 6.EE.2c

Guide: Consider the order required in the order of operations.

4 A Standard:6.NS.7c

Guide: Absolute value is the value of a number, regardless of sign.

5 B Standard: 6.G.3

Guide: Check each point in the question to match it with the corresponding point in the answer choices.

6 C Standard: 6.G.1

Guide: Break the shape into the different shapes that make it up. Find their areas individually and then add them together.

7 C Standard: 6.EE.3

Guide: Use the distributive property on each answer choice to see which one does not match the expression in the question.

8 C Standard: 6.G.2

Guide: Reflecting across the *y*-axis finds the mirror image of the *x*-coordinate while the *y*-coordinate remains the same.

9 C Standard: 6.RP.3b

Guide: Find the unit rate for the time it takes Michelle to swim one lap. Then multiply that by 10 to find the time needed to 10 laps.

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10 ***Show Your Work:*** Student should show $2 \div x^2$ or equivalent work.

Guide: Look at the grouping and order of the expression in the question. What is being cubed?

Possible Answer: $\frac{2}{x^3}$

Standard: 6.EE.2a

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11 ***Answer:*** The two students are both correct.

Guide: Apply the distributive property to the expression and see if the students' answers are both acceptable.

Possible Answer: Student A used distributive property, while Student B used order of operations to solve the problem.

Standard: 6.EE.3

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12 ***Answer:*** $145b$

Standard: 6.EE.6

Guide: Consider what operation must be used when finding the total number of pens in a number of boxes.

13 ***Show Your Work:*** 145 x 86 = 12,470

Answer: 12,470 pens

Standard: 6.EE.6

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Answer Key

Rehearsal Test 1, Session 1

Multiple-Choice Questions are worth 1 point each.

Question	Answer	Learning Standard	Question	Answer	Learning Standard
1	A	6.EE.1	16	A	6.RP.3a
2	C	6.G.3	17	B	6.RP.1
3	B	6.G.4	18	C	6.G.1
4	B	6.NS.4	19	A	6.G.3
5	B	6.EE.5	20	C	6.EE.4
6	B	6.EE.1	21	A	6.RP.3b
7	C	6.RP.3b	22	A	6.RP.2
8	A	6.EE.3a	23	B	6.EE.3
9	B	6.NS.1	24	D	6.EE.6
10	D	6.RP.1	25	C	6.RP.3a
11	C	6.RP.3c	26	C	6.NS.1
12	C	6.G.4	27	C	6.G.1
13	B	6.RP.3c	28	C	6.RP.1
14	C	6.RP.3b	29	A	6.EE.3
15	D	6.RP.3b	30	C	6.EE.7

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Rehearsal Test 1, Session 2

Multiple-Choice Questions are worth 1 point each.

Question	Answer	Learning Standard
1	D	6.NS.1
2	D	6.EE.1
3	B	6.EE.2c
4	C	6.RP.1
5	A	6.EE.5
6	A	6.G.3

Each part of a Short-Response Question is worth 1 point.

7 **Answer:** $42 + n$

6.EE.6

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8 **Show Your Work:** $(6 \times 5) + (6 \times 5) + (6 \times 3) + (6 \times 3) + (5 \times 3) + (5 \times 3) = 126$ or equivalent work shown.

Answer: 126 sq. in.

6.G.4

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9 **Show Your Work:** $87 \div 58 = 1.5$ or equivalent work shown.

Answer: The unit rate is $1.50.

6.RP.2

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10 **Show Your Work:** LCM (18, 15) = $18 \times \frac{15}{3} = \frac{270}{3} = 90$

Answer: 90 minutes

6.NS.4

11 **Show Your Work:** LCM (15, ?) = 30 = 10

Answer: 10 minutes

6.NS.4

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12 **Show Your Work:** $A = 32 \times 16 + 13 \times 10$
$A = 512 + 130$
$A = 642$

Answer: 642 square centimeters

6.G.1

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13 **Show Your Work:** $s = 32 \times 3$
$s = 96$

Answer: There are 96 students in the class.

6.NS.1

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14 **Show Your Work:** $36 = 2l + 2w$
$l = 2w$
$36 = 2l + l$
$36 = 3l$
$12 = l$

Answer: 12 feet

6.EE.7

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15 **Answer:** 9.25m + 5.00

6.EE.2a

16 **Show Your Work:** $9.25(7) + 5.00$
$64.75 + 5.00 = 69.75$

Answer: $69.75

6.EE.2a

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17 **Show Your Work:** $\frac{1.5 \text{ cups}}{6} = \frac{16 \text{ cups}}{x \text{ servings}}$
$1.5 \text{ cups} \times x \text{ servings} = 16 \text{ cups} \times 6$
$1.5x = 96$
$x = 64$

Answer: 64 servings

6.RP.3d

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Each part of the Extended-Response Question is worth 1 point.

18 **Answer:** Expression: 8a + 12b

6.EE.1 and 6.EE.2c

19 **Show Your Work:** 8(42) + 12(36) = 768

Answer: 768 ounces

6.EE.1 and 6.EE.2c

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Rehearsal Test 2, Session 1

Multiple-Choice Questions are worth 1 point each.

Question	Answer	Learning Standard	Question	Answer	Learning Standard
1	B	6.EE.5	16	A	6.RP.3a
2	A	6.EE.1	17	B	6.EE.4
3	D	6.G.2	18	B	6.NS.3
4	A	6.EE.5	19	C	6.NS.1
5	A	6.EE.2a	20	C	6.G.1
6	B	6.G.1	21	C	6.EE.4
7	D	6.G.2	22	D	6.RP.3b
8	C	6.EE.3	23	C	6.G.1
9	B	6.EE.7	24	B	6.NS.4
10	C	6.RP.1	25	C	6.RP.3b
11	D	6.RP.3c	26	B	6.RP.3c
12	A	6.NS.7d	27	D	6.NS.1
13	C	6.G.3	28	C	6.G.3
14	A	6.RP.1	29	B	6.NS.4
15	C	6.NS.1	30	C	6.RP.3c

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Rehearsal Test 2, Session 2

Multiple-Choice Questions are worth 1 point each.

Question	Answer	Learning Standard
1	C	6.EE.3
2	A	6.EE.3
3	D	6.EE.5
4	C	6.NS.4
5	D	6.RP.1
6	C	6.G.1

Each part of a Short-Response Question is worth 1 point.

7 **Show Your Work:** $7^2 + (32 - 4) = 49 + 28 = 77$

Answer: 77

6.EE.1

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8 **Answer:** (–3, 2)

6.G.3

9 **Answer:** (0, 5)

6.G.3

10 **Answer:** (3, 2)

6.G.3

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11 **Show Your Work:** $1\frac{1}{2} \div \frac{1}{8} = 1\frac{1}{2} \times 8 = 12$ or other equivalent work.

Answer: 12 workstations

6.NS.1

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12 **Answer:** Expression: $26.75t + $5.25

6.EE.2

13 **Show Your Work:** $26.75(7) + $5.25 = $192.50

Answer: $192.50

6.EE.2

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14 **Show Your Work:** Red: 1 qt = 4 tsp
1 gallon = 16 tsp
Yellow: 1 qt = 5 tsp
1 gallon = 20 tsp

6.RP.3d

15 **Answer:** 16 teaspoons of red drops and 20 teaspoons of yellow drops

6.RP.3d

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16 **Show Your Work:** Sample expression: $12^2 - [(4 \times 3) + \frac{1}{2}(3 \times 4)]$

Answer: 126 square inches

6.G.1

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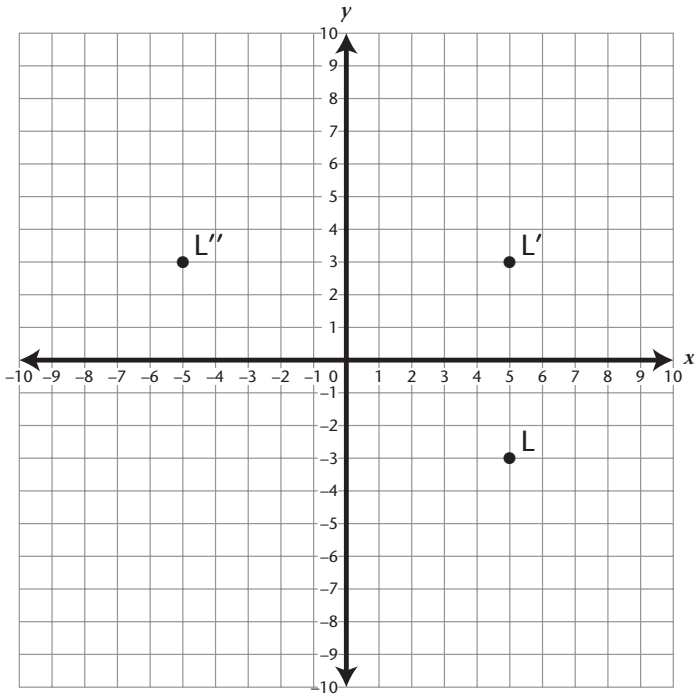
17 **Answer:** Point L″ is located at (–5, 3).



Explain: A reflection of point L across the *x*-axis gives point L‘ at (5, 3).
A reflection of point L‘ across the *y*-axis gives point L“ at (–5, 3).

6.G.3

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18 **Show Your Work:** 1 quart of water = 4 cups
3 tbsp × 2 = 6 tbsp
4:6 = 2:3

Answer: 2:3

6.RP.1

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19 **Show Your Work:** V = 4 × 4 × 4 = 64

Answer: 64 number cubes

6.G.2

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Each part of the Extended-Response Question is worth 1 point.

20 **Answer:** Small: $s = 6p$

6.EE.1 and 6.EE.2c

21 **Answer:** Medium: $s = 8p$

6.EE.1 and 6.EE.2c

22 **Answer:** Large: $s = 12p$

6.EE.1 and 6.EE.2c

23 **Show Your Work:** Riley: $6(2) + 3(8) = 36$
Jamie: $6(2) + 4(12) = 60$
$60 - 36 = 24$

Answer: Jamie has 24 more slices.

6.EE.1 and 6.EE.2c

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