

# Next Generation NY Math Rehearsal<sup>®</sup> Plus Instruction

**Teacher's Guide  
and Extended  
Answer Key**

LEVEL

**C**



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# Instructional Practice

## Answer Key with Guides

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|----|---|--|
| 1  | B | Standard: 3.OA.5<br><i>Guide:</i> Consider the rules of the distributive property.   |
| 2  | B | Standard: 3.NF.1<br><i>Guide:</i> Count the number of shaded parts in the circle. Then count all the parts.  |
| 3  | B | Standard: 3.OA.9<br><i>Guide:</i> Consider the rules of divisibility.  |
| 4  | C | Standard: 3.MD.1<br><i>Guide:</i> Use the clock as your model.   |
| 5  | B | Standard: 3.NBT.3<br><i>Guide:</i> Consider your multiplication facts and multiplying by multiples of ten.   |
| 6  | B | Standard: 3.NF.2b<br><i>Guide:</i> How many total pieces are there on the number line?   |
| 7  | C | Standard: 3.G.2<br><i>Guide:</i> The pieces must all be the same size.   |
| 8  | A | Standard: 3.OA.2<br><i>Guide:</i> By separating the party treats into bags, you are breaking them into equal groups.                                 |
| 9  | C | Standard: 3.MD.7a<br><i>Guide:</i> How many squares are in the array?  |
| 10 | D | Standard: 3.NF.2b<br><i>Guide:</i> Count the number of sections the line is broken into, not the number of hash marks, to determine the denominator. |

- 11 **Show Your Work:** Students should show  $81 \div 9 = 9$  or equivalent work.

**Guide:** How many groups of 9 are there in 81?

**Answer:** 9 pencils

Standard: 3.OA.A

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- 12 **Show Your Work:** Possible work shown could include  $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} = \frac{3}{6}$  and  $\frac{6}{6} - \frac{3}{6} = \frac{3}{6}$

**Guide:** Draw a model to help you divide the cheesecake.

**Answer:**  $\frac{3}{6}$

Standard: 3.G.2

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- 13 **Answer:** Mike does not have enough

**Guide:** Consider the value of each line of the measuring cup.

**Explain:** A correct answer must state:

- Mike needs 1 more ounce
- Mike only has 4 ounces

Standard: 3.MD.2

# Answer Key

## Rehearsal Test 1, Session 1

Multiple-Choice Questions are worth 1 point each.

Question	Answer	Learning Standard	Question	Answer	Learning Standard
1	C	3.OA.2	21	D	3.MD.7a
2	B	3.NBT.1	22	C	3.OA.4
3	C	3.NBT.3	23	C	3.MD.7d
4	B	3.G.2	24	A	3.OA.1
5	C	3.NBT.2	25	C	3.OA.2
6	C	3.OA.4			
7	C	3.NF.2a			
8	C	3.NF.2a			
9	D	3.MD.7a			
10	D	3.OA.1			
11	B	3.MD.1			
12	A	3.NF.3d			
13	A	3.NF.3d			
14	C	3.NF.3c			
15	C	3.NF.3a			
16	D	3.OA.1			
17	C	3.OA.2			
18	C	3.OA.4			
19	B	3.OA.6			
20	C	3.G.2			

## Rehearsal Test 1, Session 2

Multiple-Choice Questions are worth 1 point each.

Question	Answer	Learning Standard
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1	B	3.OA.5
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2	C	3.OA.1
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3	C	3.OA.5
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4	A	3.NBT.3
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5	B	3.MD.1
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Each part of a Short-Response Question is worth 1 point.

6	<b>Show Your Work:</b>	Students should show $5 \times 6 = 30$ or equivalent work.
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	<b>Answer:</b>	30 kg
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		Standard: 3.NF.1
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7	<b>Show Your Work:</b>	Students should show that two out of 7 parts of the shape are shaded, or equivalent work.
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	<b>Answer:</b>	$\frac{2}{7}$
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		Standard: 3.NF.1
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8	<b>Show Your Work:</b>	Students should show that if the pie is cut into 8 equal pieces, each person will get one piece, or $\frac{1}{8}$ of the pie.
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	<b>Answer:</b>	$\frac{1}{8}$
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		Standard: 3.NF.1
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9	<b>Show Your Work:</b>	Students should draw a point at $\frac{3}{9}$ on the number line.
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		Standard: 3.NF.2
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10 **Show Your Work:** Students should show  $5 \times 4 = 20$  or equivalent work.

**Answer:** Ray has 20 erasers in all.

Standards: 3.OA.1, 3.OA.2

11 **Show Your Work:** Students should show  $20 \div 5 = 4$  or equivalent work.

**Answer:** Each person gets 4 erasers.

Standards: 3.OA.1, 3.OA.2

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12 **Show Your Work:** Area of larger figure:  $6 \times 6 = 36$

Area of smaller figure:  $3 \times 5 = 15$

$15 + 36 = 51$  square units

**Answer:** 51 square units

Standard: 3.MD.7d

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13 **Show Your Work:** From 4:30 to 5:20 is 50 minutes.

**Answer:** 50 minutes

Standard: 3.MD.1

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

14 **Show Your Work:**  $72 \times 3 = \$216$

$28 \times 10 = \$280$

$\$216 + \$280 = \$496$  raised in total

**Answer:** Daren's class raised \$496 in total.

Standard: 3.MD.7.b, 3.NBT.2

15 **Show Your Work:**  $\$496 - \$300 = \$196$

**Answer:** They have \$196 extra.

Standard: 3.MD.7.b, 3.NBT.2

## Rehearsal Test 2, Session 1

Multiple-Choice Questions are worth 1 point each.

Question	Answer	Learning Standard
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1	C	3.OA.2
2	A	3.NF.1
3	C	3.MD.1
4	A	3.OA.5
5	B	3.OA.2
6	C	3.MD.1
7	C	3.OA.5
8	C	3.OA.1
9	C	3.G.2
10	B	3.OA.6
11	B	3.NBT.2
12	B	3.OA.1
13	A	3.OA.4
14	C	3.NF.3c
15	D	3.MD.7a
16	B	3.OA.4
17	C	3.OA.2
18	D	3.NF.3d
19	D	3.OA.1
20	C	3.NF.3d
21	B	3.OA.1
22	B	3.MD.5b
23	B	3.NF.3a
24	B	3.NF.2a
25	C	3.MD.7a

## Rehearsal Test 2, Session 2

Multiple-Choice Questions are worth 1 point each.

Question	Answer	Learning Standard
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1	B	Standard: 3.MD.5b
2	D	Standard: 3.NF.2a
3	B	Standard: 3.NBT.3
4	D	Standard: 3.NBT.1
5	B	Standard: 3.NBT.2

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

6	<b>Answer:</b>	Student must draw a rectangle broken into 4 equal pieces. Standard: 3.G.2
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7	<b>Show Your Work:</b>	Students should show two of the six pieces or equivalent work.
	<b>Answer:</b>	$\frac{2}{6}$ or $\frac{1}{3}$ Standard: 3.NF.1

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8	<b>Show Your Work:</b>	Students draw a number line with a point at $\frac{1}{4}$ . Standard: 3.NF.2, 3.NF.1
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9	<b>Show Your Work:</b>	Students should show $8 \times 3 = 24$ or equivalent work.
	<b>Answer:</b>	24 cookies Standards: 3.OA.1, 3.OA.2



- 10 **Show Your Work:** Area of smaller figure:  $3 \times 3 = 9$  square units  
Area of larger figure:  $7 \times 5 = 35$   
 $35 + 9 = 44$

**Answer:** 44 square units total  
Standard: 3.MD.7.d

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- 11 **Answer:** Megan has more of her sandwich left over.

**Explain:** Student shows reasoning that explains why  $\frac{1}{2}$  is greater than  $\frac{1}{3}$  either with a picture or comparison of fractions.  
Standard: 3.NF.3d

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- 12 **Show Your Work:** From 7:20 to 8:05 is 45 minutes.

**Answer:** 45 minutes  
Standard: 3.MD.1

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

- 13 **Show Your Work:**  $6 \times 7 = \$42$   
 $\$30 \times 2 = \$60$  for both games

**Answer:** He does not have enough money to buy both video games.  
Standards: 3.OA.1, 3.OA.8

- 14 **Show Your Work:** Students should show  $60 \div 6 = 10$  or equivalent work.

**Answer:** 10 more lawns  
Standards: 3.OA.1, 3.OA.8