

Third Grade Math Study Guide Third Nine-Weeks

This is a cumulative review of all of the standards the third grade students have covered this year. Please have your child complete this review to help them prepare for the third grade nine-week test and their final EOG State test.

Sample Math Questions

CCSS.MATH.CONTENT.3.OA.A.1

1. At the store, one package of 6 pencils costs \$2. LAnna spent \$6 on pencils.
How many pencils did Anna buy?

A. 12 B. 14 C. 18 D. 24

CCSS.MATH.CONTENT.3.OA.A.2

2. There are 34 boxes. Five of the boxes are empty.
Each of the other boxes contains 3 erasers.
How many erasers are there altogether?

A. 87 B. 102 C. 37 D. 42

CCSS.MATH.CONTENT.3.OA.A.3LSEP

3. Johnny has 8 boxes. There are 9 cookies in each box.
What is the total number of cookies Johnny has?

A. 17 B. 1 C. 72 D. 81

4. Which value for M makes the equation correct?

$$\text{LM} \div 9 = 8 \text{ LSEP}$$

A. 17 B. 72 C. 1 D. 63

5. Sally has a total of 30 marbles.
- She has an equal number of pink, yellow, green, white and blue marbles. LSEP
 - She will put the marbles into 3 cups. LSEP
 - She will put an equal number of each color marble in each cup. LSEP
- How many yellow marbles will be in each cup?

LSEP

A. 2 B. 3 C. 4 D. 33

[L]
[SEP]

CCSS.MATH.CONTENT.3.OA.A.4

6. What is the solution to the equation below? [L]
[SEP]

$$4 = \underline{\quad} \div 9$$

- A. 13 B. 32 C. 36 D. 5
-

CCSS.MATH.CONTENT.3.OA.B.5

7. Which expression is equal to 15×2 ?

- A. $2 + (10 \times 5)$ [L] [SEP] C. $(6 \times 5) \times (6 \times 5)$ [L] [SEP]
B. $(3 \times 5) + (3 \times 5)$ [L] [SEP] D. $(10 + 2) \times (5 + 2)$ [L] [SEP]
-

8. Mrs. Thomas has 5 brothers.

- She mailed 3 cards to each of her brothers in November. [L] [SEP]
- She mailed 2 cards to each of her brothers in December.

[L]
[SEP]

• The expression $(5 \times 3) + (5 \times 2)$ could be used to find the total number of [L] [SEP] cards Mrs. Thomas sent to her brothers. [L] [SEP]

Which expression shows another way to find the total number of cards Mrs. Thomas mailed to her brothers? [L] [SEP]

- A. $5 \times (3 + 2)$ B. $(3 + 5) \times 2$ C. $5 \times 3 + 2$ D. $5 \times 3 \times 2$
-

9. Cailey's grandparents pay Cailey to help them each week.

- They pay her \$15 each week to clean their house. [L] [SEP]
- They pay her \$4 each week to walk their dog. [L] [SEP]

Which expression shows how much Cailey's grandparents will pay her in 5 weeks?

- A. $(15 + 5) + (15 \times 2)$ [L] [SEP] C. $(15 \times 5) + (4 \times 5)$ [L] [SEP]
B. $(4 \times 5) + (4 \times 5)$ [L] [SEP] D. $(15 + 5) \times (4 + 5)$
-

CCSS.MATH.CONTENT.3.OA.D.8

10. Sam ran 4 miles each day for 3 days. Then he ran 6 miles each day for the next 4 days. How many miles did Sam run altogether in the 7 days?

- A. 36 B. 34 C. 22 D. 10
-

11. Tim and Tina sold bags of cookies. Each bag had 4 cookies.
Tim sold 6 bags of cookies. Tina sold 2 bags of cookies.
What is the total number of cookies Tim and Tina sold?

- A. 24 B. 8 C. 12 D. 32
-

CCSS.MATH.CONTENT.3.OA.D.9

12. Which rule can be used to create the following list of numbers?

206, 224, 242, 260, 278

- A. Add 24 B. Add 18 C. Add 42 D. Add 78
-

13. Which rule is used to make the pattern below?

103, 89, 75, 61,

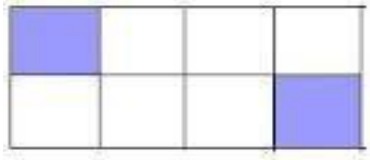
- A. Add 6 each time C. Subtract 12 each time
B. Subtract 14 each time D. Divide by 3 each time.
-

14. Which expression can be used to find the value of x in the table below?

INPUT	OUTPUT
3	24
4	32
5	40
6	48
7	X

- A. 7×8 B. $7 + 8$ C. $7 + 7$ D. 7×7
-

20. Cindy is planting flowers in the garden shown below.
She has already planted flowers in the sections that are shaded.



What fraction of Cindy's garden still needs to be planted?

- A. $2/8$ B. $6/8$ C. $1/2$ D. $1/3$
-

21. One third of a garden is planted with potatoes. Two-sixths of the garden is planted with carrots. And two-sixths are planted with corn.
Which diagram represents this fractioned garden?

A.

carrots	corn	potatoes
carrots		corn

B.

carrots	potatoes
corn	

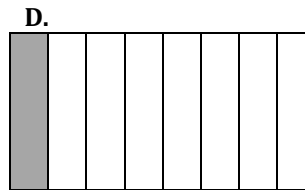
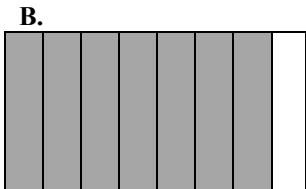
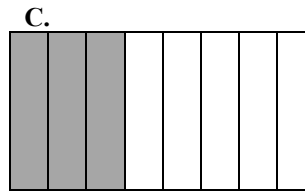
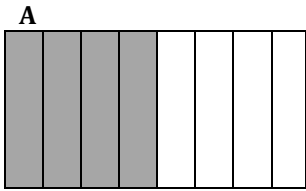
C.

corn		carrots
corn	potatoes	carrots

D

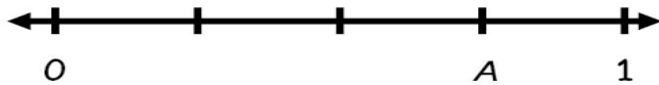
corn	potatoes
carrots	

22. There are eight students on the playground. Four eighths of the children are on the swings. Which fraction model does the shaded part represent the children who are on the swings?



CCSS.MATH.CONTENT.3.NF.A.2

23. What point is Letter A on the number line?



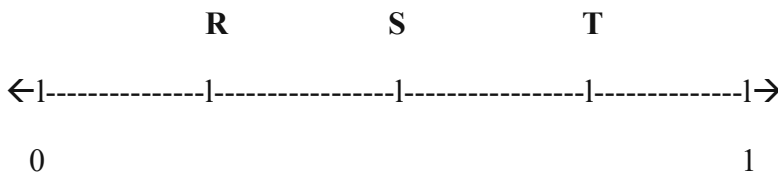
A. $1/4$

B. $1/2$

C. $3/4$

D. $4/5$

24. The number line below is divided into equal parts.



What is the distance from S to T on the number line?

A. $3/4$

B. $2/4$

C. $1/3$

D. $1/4$

25. What is the distance from 0 to point N?



A. $1/2$

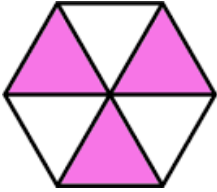
B. $1/3$

C. $2/3$

D. $2/2$

CCSS.MATH.CONTENT.3.NF.A.3.B^[1-3]_{SEP}

26. Jarett shaded $\frac{3}{6}$ of the figure below.



What is another way to name the fraction of the figure that is shaded?

- A. $\frac{3}{3}$ B. $\frac{1}{2}$ C. $\frac{4}{6}$ D. $\frac{1}{8}$

CCSS.MATH.CONTENT.3.NF.A.3.C

27. Which fraction is equal to 1?^[1-3]_{SEP}

- A. $\frac{1}{3}$ B. $\frac{3}{1}$ C. $\frac{7}{3}$ D. $\frac{3}{3}$

CCSS.MATH.CONTENT.3.MD.A.1.

28. The bus schedule below has some missing times. The same amount of time passes between each bus.

Bus Times
3:40
4:00
4:20
?
5:00
?

- A. 4:40 and 5:40 C. 4:30 and 5:10
B. 4:40 and 5: 20 D. 4: 30 and 5:20
-

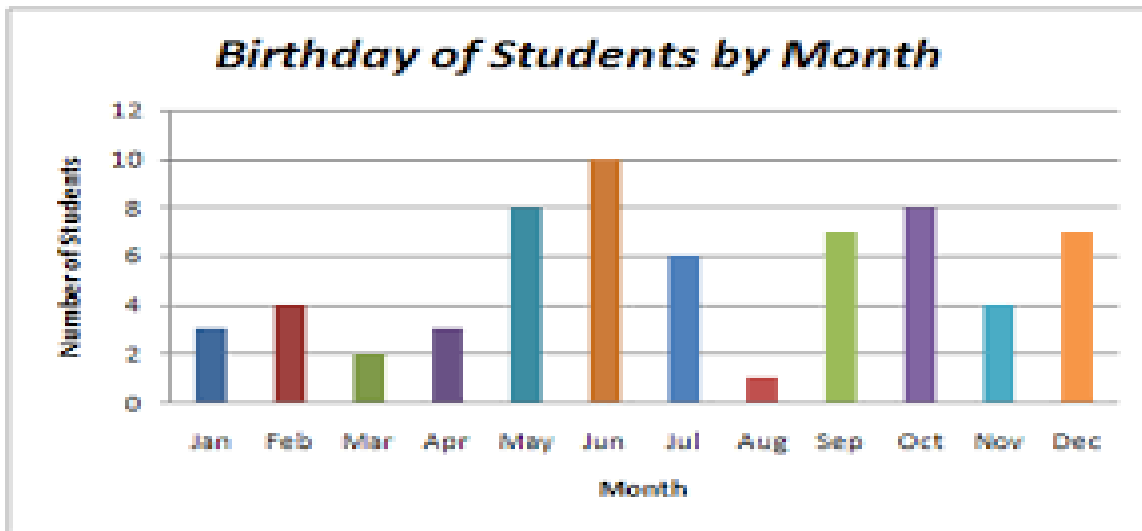
CCSS.MATH.CONTENT.3.MD.A.2

29. A company used two beakers to complete a project. One beaker has 65 liters of liquid. Another beaker has 350 liters of liquid. What is the total amount of liquid the company used?

- A. 285 liters B. 415 liters C. 405 liters D. 295 liters
-

CCSS.MATH.CONTENT.3.MD.B.3¹¹_{SEP}

Look at the graph below.



30. Which month has more birthdays than the month of September?

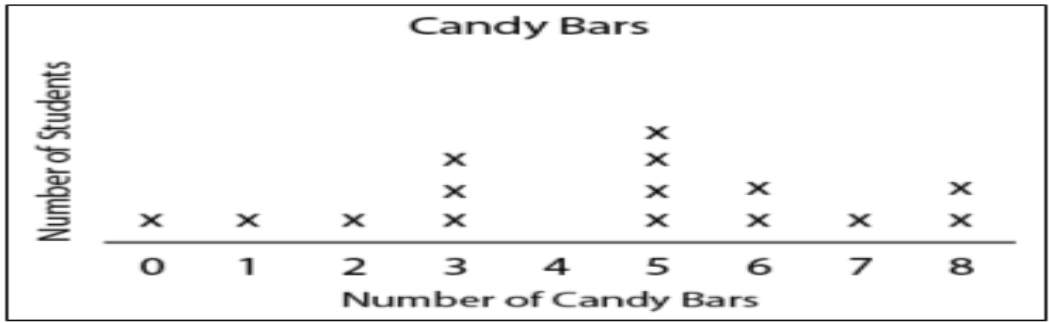
- A. March B. December C. June D. April

31. How many fewer students have birthdays in April than December?

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

-----CCSS.MATH.CONTENT.3.MD.B.4-----

32. Which chart shows the data on the line plot?



A

Number of Candy Bars	Number of Students
0	1
1	3
2	2
3	1
4	4
5	1
6	1
7	2
8	0

B

Number of Candy Bars	Number of Students
0	1
1	1
2	1
3	3
4	0
5	4
6	2
7	1
8	2

C

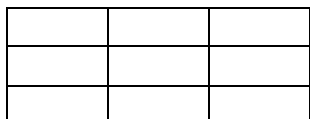
Number of Candy Bars	Number of Students
0	1
1	1
2	1
3	4
4	0
5	3
6	1
7	1
8	2

D

Number of Candy Bars	Number of Students
0	1
1	0
2	1

3	3
4	2
5	3
6	4
7	1
8	1

CCSS.MATH.CONTENT.3.MD.C.5.B



Floor



Rug

33. Which choice shows the greatest amount of floor Trey can cover with the rug?

- A. $\frac{2}{9}$ B. $\frac{1}{4}$ C. $\frac{1}{3}$ D. $\frac{2}{8}$

CCSS.MATH.CONTENT.3.MD.C.7

34. Look at the square below. What is the area of the square?

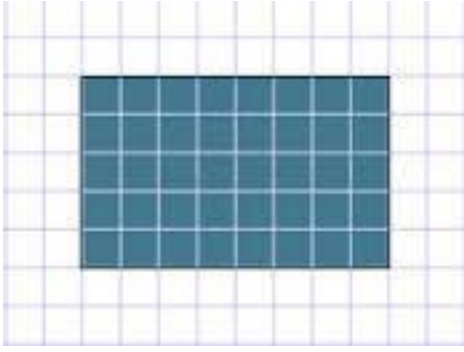
8cm



- A. 16 square cm B. 32 square cm C. 64 square cm D. 30 square cm

CCSS.MATH.CONTENT.3.MD.C.7.A -

35. Lisa found the area of the shaded part of the figure by counting the total number of shaded tiles.



What other way could she have found the area?

- A. by multiplying 8 and 5
- B. by adding $8 + 8 + 5 + 5$
- C. by multiplying 8 and 4
- D. by adding 8 and 5

CCSS.MATH.CONTENT.3.MD.C.7.B -

36. A rectangular room has a perimeter of 42 feet. One side is 12 feet long.

12 feet

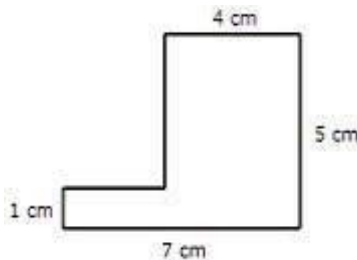


How long is side S?

- A. 18 feet
- B. 8 feet
- C. 9 feet
- D. 24 feet

CCSS.MATH.CONTENT.3.MD.C.7.D -

37. What equation shows how to find the area of the figure below?



- A. $(4 \times 4) + (1 \times 7)$
- C. $(5 \times 5) - (4 \times 6)$

B. $(4 \times 7) + (5 \times 1)$

D. $(7-1) + (5 + 4)$

CCSS.MATH.CONTENT.3.MD.D.8

38. Mr. Lazar's yard has 4 sides.

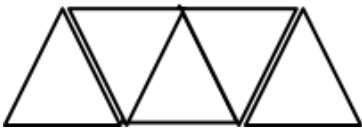
- The distance around his yard is 183 feet.
- Three sides of his yard measure 49 feet, 39 feet, and 61 feet.

How long is the fourth side?

- A. 34 feet B. 134 feet C. 332 feet D. 35 feet

39. The polygon below is made of 5 triangles. The length of each side of each triangle is 6 cm.

6cm



What is the perimeter of the polygon?

- A. 18 cm B. 24 cm C. 36 cm D. 42 cm

CCSS.MATH.CONTENT.3.G.A.1

40. Which category describes the figure shown below?



- A. triangle B. circle C. trapezoid D. rhombus

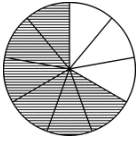
41. Four polygons are shown below.



What statement is true?

- A. All four polygons are rhombuses. C. All four polygons are rectangles.
B. All four polygons are quadrilaterals. D. All four polygons are squares.

CCSS.MATH.CONTENT.3.G.A.2-



42. What fraction of the area model is not shaded?

A. $\frac{6}{3}$

B. $\frac{1}{2}$

C. $\frac{3}{6}$

D. $\frac{1}{3}$

Answers to Study Guide Questions

1. C	2. A	3. C	4. B
5. A	6. C	7. B	8. A
9. C	10. A	11. D	12. B
13. B	14. A	15. D	16. D
17. B	18. C	19. C	20. B
21. B	22. A	23. C	24. D
25. C	26. B	27. D	28. B
29. B	30. C	31. D	32. B
33. C	34. C	35. A	36. C
37. A	38. A	39. D	40. D
41. B	42. D		

Each question is labeled with the North Carolina third grade math standard. Use the following resources to help your child practice with the standard(s) they may need extra help. Many of these sites include practices, lesson demonstrations and other resources. Some of the sites may require you to create a log in and password to access the site.

<https://www.mobymax.com>

<https://learnzillion.com>

<https://www.khanacademy.org>

<https://www.ixl.com>

<https://xtramath.org/#/home/index>

<https://app.studyisland.com/cfw/login> (Each child has an account. Ask your child's teacher for log in and password)