

C. $64 - n = 8$

D. $64 - 8 = n$

6. What value of M makes the equation true?

$$M \div 6 = 6$$

A. 1

B. 12

C. 36

D. 0

7. A bus makes 7 stops a day. How many days will it take for the bus to make 49 stops?

A. 56

B. 42

C. 8

D. 7

CCSS.MATH.CONTENT.3.OA.A.4^L_{SEP}

8. 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

9. Lisa's goal is to walk 48 miles.

- She walks 4 miles each day.
- She has walked for 12 days.

Which equation can be used to find out how many more miles, n , Lisa still needs to walk to reach her goal?

A. $12 - 4 + n = 48$

B. $12 + 4 + n = 48$

C. $12 \times 4 \times n = 48$

D. $12 \times 4 + n = 48$

10. Farrrah's goal is to jog 85 miles.

- She jogs 4 miles every day.
- She has jogged for 7 days.
- Farrrah still needs to jog, k , more miles for her goal.

Which equation could be used to find how many more miles, k , Farrrah will have to jog to meet her goal?

A. $85 = 4 \times 7 + k$

B. $85 = 4 \times 7 \times k$

C. $85 = 4 \times 7 - k$

D. $85 = 4 + 7 + k$

-
11. Chris filled 3 pages in her sticker book every day for 8 days. His book has 32 total pages.
How many pages does Chris have left to fill before his sticker book will be full?

- A. 8 pages B. 21 pages C. 24 pages D. 56 pages

12. A car rental company charges \$ 30 per day plus a onetime fee of \$20 to rent a car.
Willy needs to rent a car for 8 days. How much will Willy pay to rent the car?

- A. \$58 B. \$ 250 C. \$260 D. 190
-

13. Sally baked 200 cookies for a bake sale.
Maria baked 83 fewer cookies than Sally.
How many cookies did they bake in all?

- A. 283 B. 117 C. 317 D. 400
-

14. Which expression can be used to find the missing number in this pattern?

70, 63, 56, _____, 42, 35

- A. $56 + 7$ B. $42 - 7$ C. $56 - 7$ D. $45 + 7$
-

15. Wally's father drove 379 miles on Saturday and 562 miles on Sunday. He has 129 more miles to drive on Monday. About how many miles will he drive in all?

- A. 900 B. 1,000 C. 1,100 D. 1,200
-

----16. There are 600 cookies in the bag. 489 of the cookies are peanut butter. The rest are chocolate chip. How many chocolate chip cookies are there?

- A. 1,089 B. 289 C. 100 D. 111
-

----17. There are 742 students at the basketball game after 48 people left. How many people were at the game before the people left?

- A. 790 B. 694 C. 706 D. 784
-

----18. A school collects box tops for a fundraiser.

- Second graders collected 465 box tops.
- Second graders collected 258 more box tops than third graders.

How many box tops did the third grade collect?

A. 207

B. 723

C. 213

D. 613

19. Lisa bought 8 boxes of crayons. There are 70 crayons in each box.
What is the total number of crayons Lisa bought?

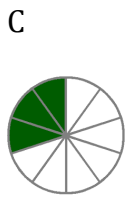
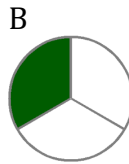
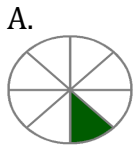
A. 87

B. 56

C. 560

D. 640

20. In which circle is $\frac{1}{8}$ of its area shaded?



21. Flava shaded some of the quadrilateral.

What fraction of the large square is shaded?



What fraction of the square is shaded?

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

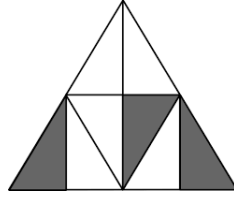
B. $\frac{1}{4}$

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

D. $\frac{3}{4}$

-

22. What fraction of the area of this figure is shaded?



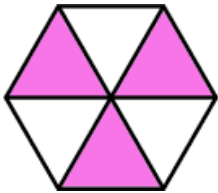
A. $1/2$

B. $3/8$

C. $5/8$

D. $3/10$

23. What fraction of the figure is shaded?



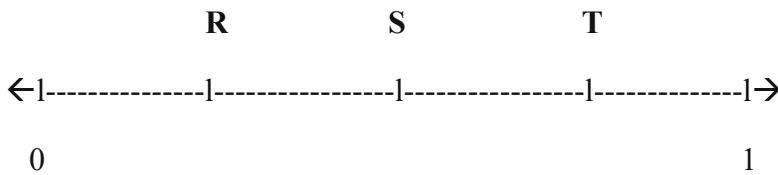
A. $3/3$

B. $1/2$

C. $4/6$

D. $1/8$

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



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

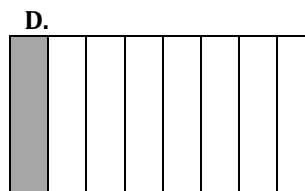
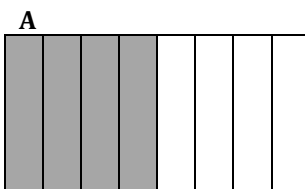
A. $3/4$

B. $2/4$

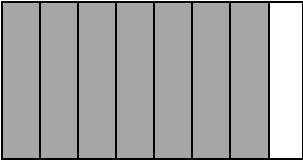
C. $1/3$

D. $1/4$

25. 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?

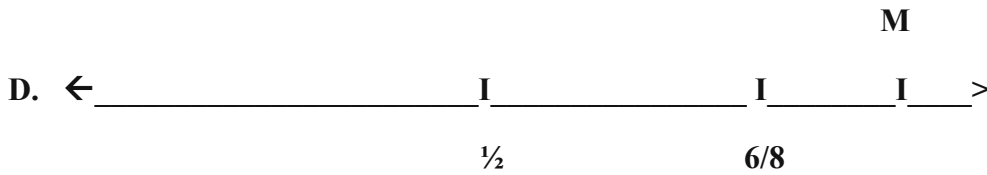
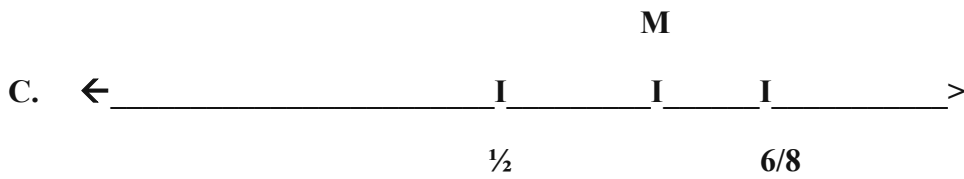
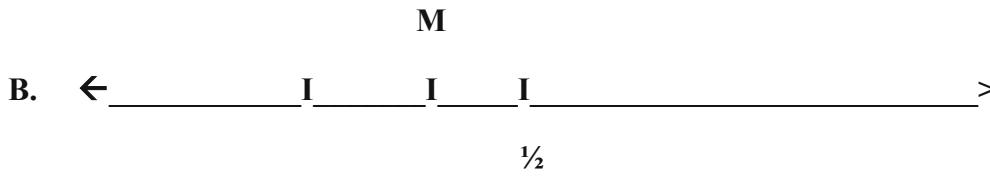
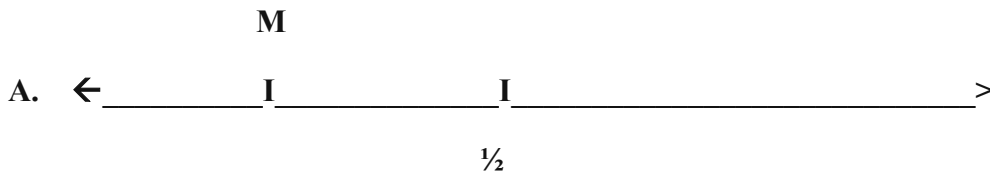


B.

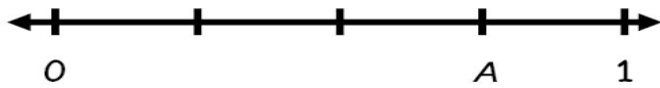


CCSS.MATH.CONTENT.3.NF.2

26. Which number line shows point M at $\frac{3}{8}$?



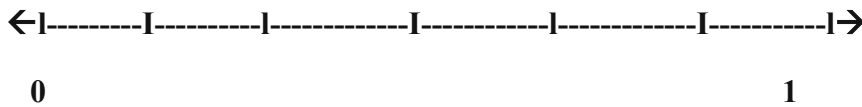
27. What fraction is represented by point A on the number line?



- A. $1/4$ B. $1/2$ C. $3/4$ D. $4/5$

28. Which letter has a value of $1/3$ on the number line?

M N O P



- A. M B. N C. O D. P

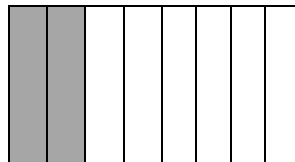
--[CCSS.MATH.CONTENT.3.NF.3.](#)--

29. Which figure shows a shaded amount that is equivalent to the fraction $2/8$?

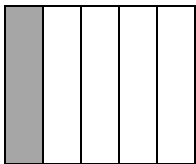
A.



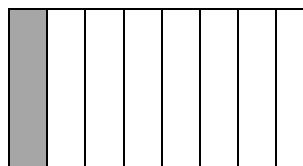
B.



C.

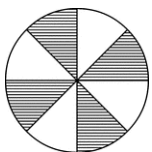


D.



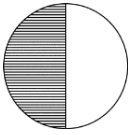
[CCSS.MATH.CONTENT.3.NF.3](#)

30. A fraction of this circle is shaded.

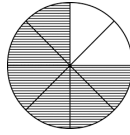


Which circle has an equal fraction shaded?

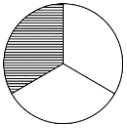
A.



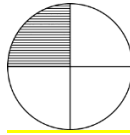
B.



C.

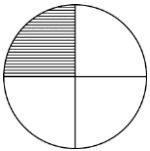


D.

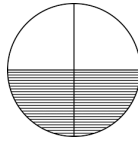


31. Which circle is $\frac{3}{4}$ shaded?

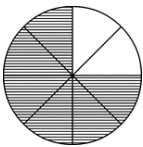
A.



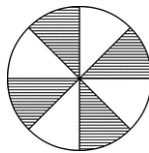
B



C.



D.



32. Which fraction is equal to 1? [L] [SEP]

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

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

C. $\frac{7}{3}$

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

---- [CCSS.MATH.CONTENT.3.MD.1.](#)

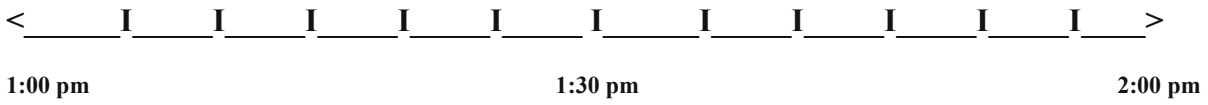
33. John spent 20 minutes in the cafeteria. He left the cafeteria at 1:40 p.m.

M

N

O

P



What letter on the number line represents the time John arrived at the cafeteria?

A. M

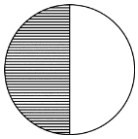
B. N

C. O

D. P

CCSS.MATH.CONTENT.3.NF.4

34. Which figure could be added to the diagram to make it true?

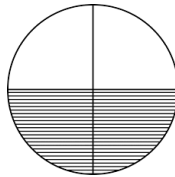
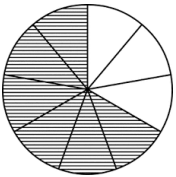


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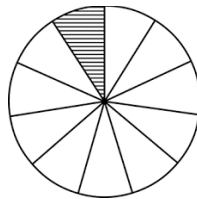
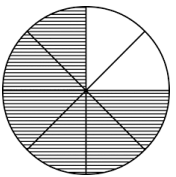
A.

B.



C.

D.



35. Francie shaded this rectangle.



Michael's rectangle is the same size. He shaded less than Francie.

Which choice could be the shaded fraction of Michael's rectangle?

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

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

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

D. $\frac{1}{6}$

CCSS.MATH.CONTENT.3.MD.1

36. Francis leaves for school at the time shown.



She arrives at school 35 minutes later. At what time does Francis arrive at school?

A. 8:30

B. 8:00

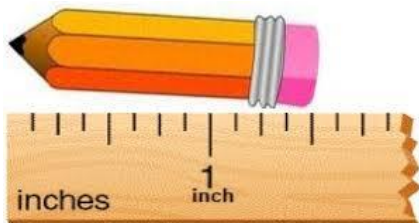
C. 8:15

D. 8:25

CCSS.MATH.CONTENT.3.MD.2

37. This shows a pencil and a ruler.

What is the length of the pencil?



A. 1 inch

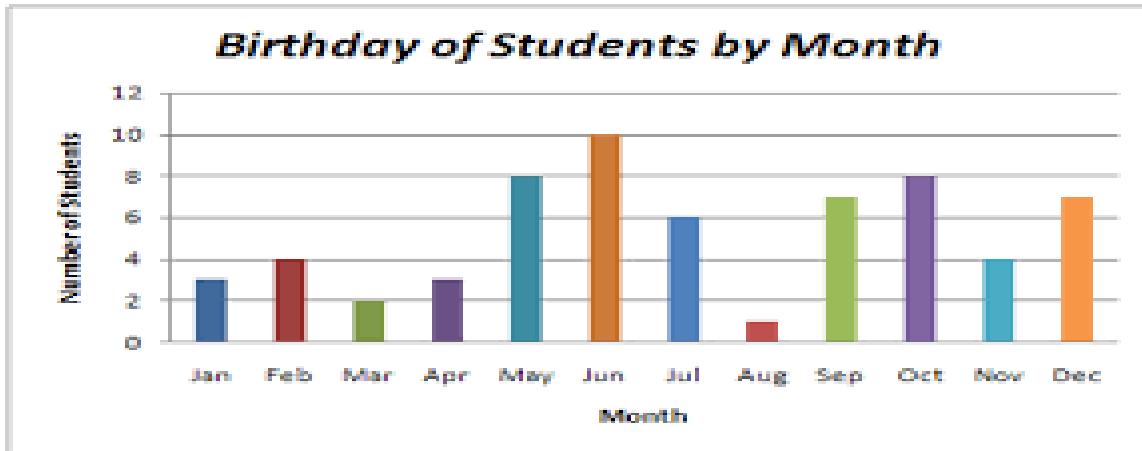
B. 1 ½ inches

C. 2 inches

D. 2 ½ inches

CCSS.MATH.CONTENT.3.MD.3⁽¹⁾_(SEP)

38. Look at the graph below.



How many more people have birthday is May and June than August and January?

A. 18

B. 8

C. 14

D. 22

39. Some Students have strawberries.

Number of strawberries with each student	
Cerise	
Ed	
George	
Sally	

Each = 2 strawberries

How many more strawberries does Sally have than Ed?

A. 5

B. 8

C. 9

D. 9 ½

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



Floor



Rug

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

A. $\frac{2}{9}$

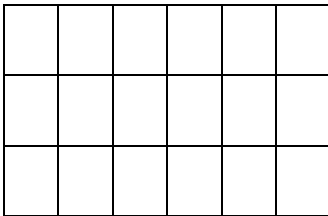
B. $\frac{1}{4}$

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

D. $\frac{2}{8}$

CCSS.MATH.CONTENT.3.MD.7

41. The figure is 3 units wide and 6 units long.



Which measurements describe a rectangle that has the same area as the figure?

A. 3 units long and 3 units wide

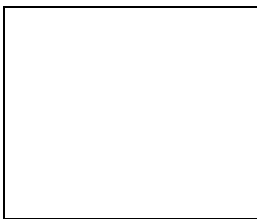
B. 9 units long and 2 units wide

C. 8 units long and 2 units wide

D. 3 units long and 7 units wide

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

8cm



A. 16 square cm

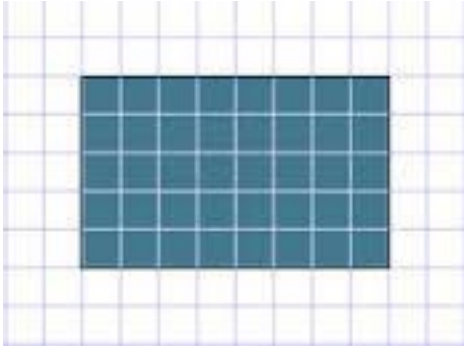
B. 32 square cm

C. 64 square cm

D. 30 square cm

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

43. 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 multiplying 8 and 4
C. by adding $8 + 8 + 5 + 5$ D. by adding 8 and 5

CCSS.MATH.CONTENT.3.MD.8

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

12 feet

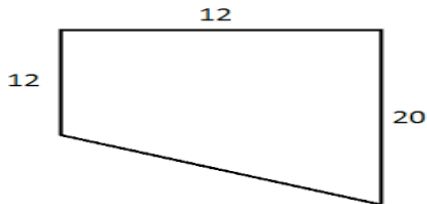


S

How long is side S?

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

45. The perimeter of the quadrilateral is 64 cm.



What is the missing length?

- A. 44 cm B. 12 cm C. 42 cm. D. 20 cm

46. Ms. Byrum is comparing two rectangles.


- Rectangle R is 6 inches long and 2 inches wide.
- Rectangle S is 4 inches long and 3 inches wide.

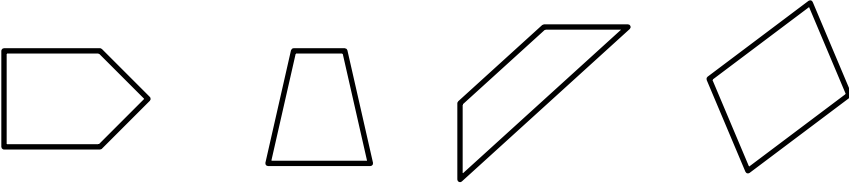
Which statement correctly compares the areas and perimeters of the rectangles?

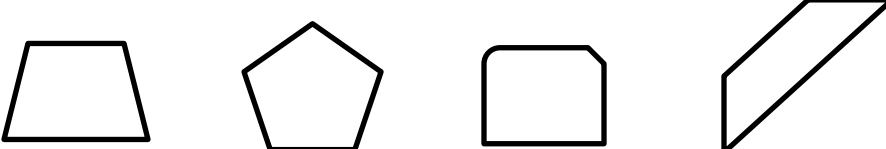
- A. The rectangles have equal areas, and rectangle R has a greater perimeter.
- B. The rectangles have equal areas, and rectangle S has a greater perimeter.
- C. The rectangles have equal perimeters, and rectangle R has a greater area.
- D. The rectangles have equal perimeters, and rectangle S has a greater area.

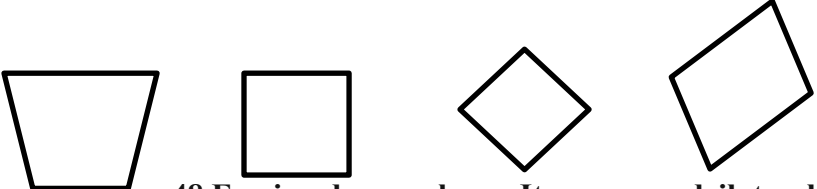
CCSS.MATH.CONTENT.3.G.1 –

47. Which group of figures contains only quadrilaterals?

A. 

B. 

C. 

D. 

48. Famina drew a shape. It was a quadrilateral. Opposite sides were the same length. Which shape did she draw?

- A. triangle
- B. rectangle
- C. pentagon
- D. hexagon

Answers to Study Guide Questions

1. B	2. B	3. A	4. A
5. B	6. C	7. D	8. C
9. D	10. A	11. A	12. C
13. C	14. C	15. C	16. D

17. A	18. A	19. C	20. A
21. B	22. B	23. B	24. D
25. A	26. B	27. C	28. B
29. B	30. A	31. C	32. D
33. B	34. D	35. A	36. C
37. B	38. C	39. C	40. C
41. B	42. C	43.A	44.C
45.D	46.A	47.D	48.B

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>

[Math Seeds](#)