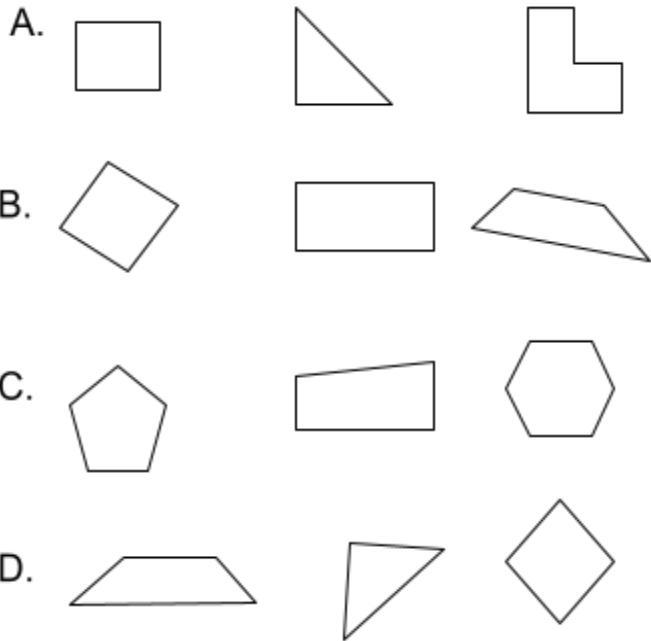
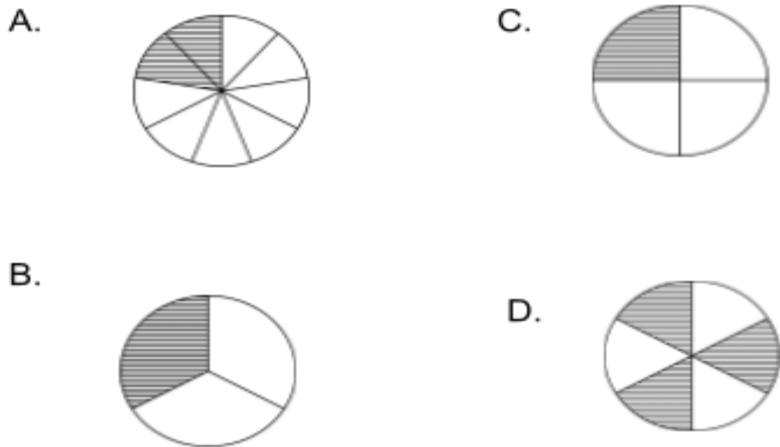


Third Grade 3rd Unit Test- Math Study Guide

1 . Which group of figures contains only quadrilaterals?



2. Which figure shows a shaded amount equivalent to $\frac{1}{2}$?



3. There are 800 seats in a movie theater. There are 497 people sitting in the seats.
How many seats are empty?

- A. 1,297 seats B. 303 seats C. 497 seats D. 479 seats

4. Which equation is true when $r = 9$?

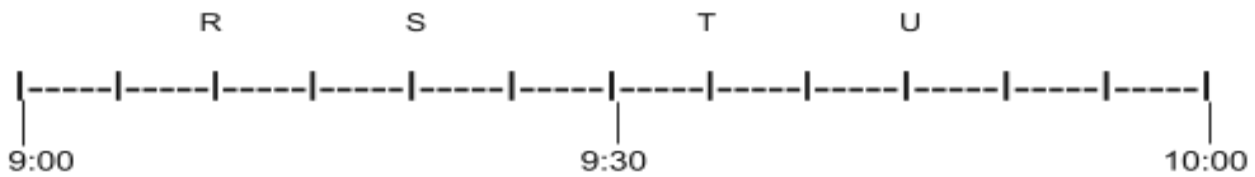
A. $8 = 64 \div r$

C. $8 = 72 \div r$

B. $7 = 49 \div r$

D. $6 = 48 \div r$

5. Johnna spent 25 minutes at the store. She left the store at 9:35.



What letter on the number line represents the time Johnna arrived at the store?

A. R

B. S

C. T

D. U

6. Sammy's mom drove 386 miles on Tuesday and 297 miles on Wednesday. She has 234 miles more to drive on Thursday. **About** how many miles will she drive in all?

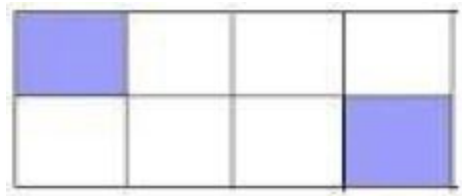
A. 500

B. 600

C. 700

D. 900

7. What fraction of the figure is shaded?



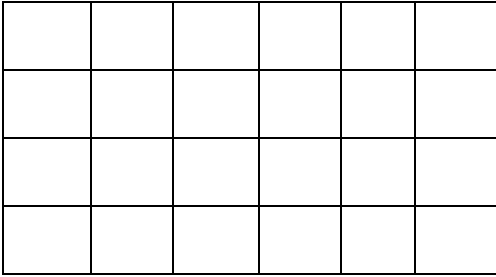
A. $\frac{8}{2}$

B. $\frac{2}{10}$

C. $\frac{2}{4}$

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

8. This figure is 6 units long and 4 units wide.



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

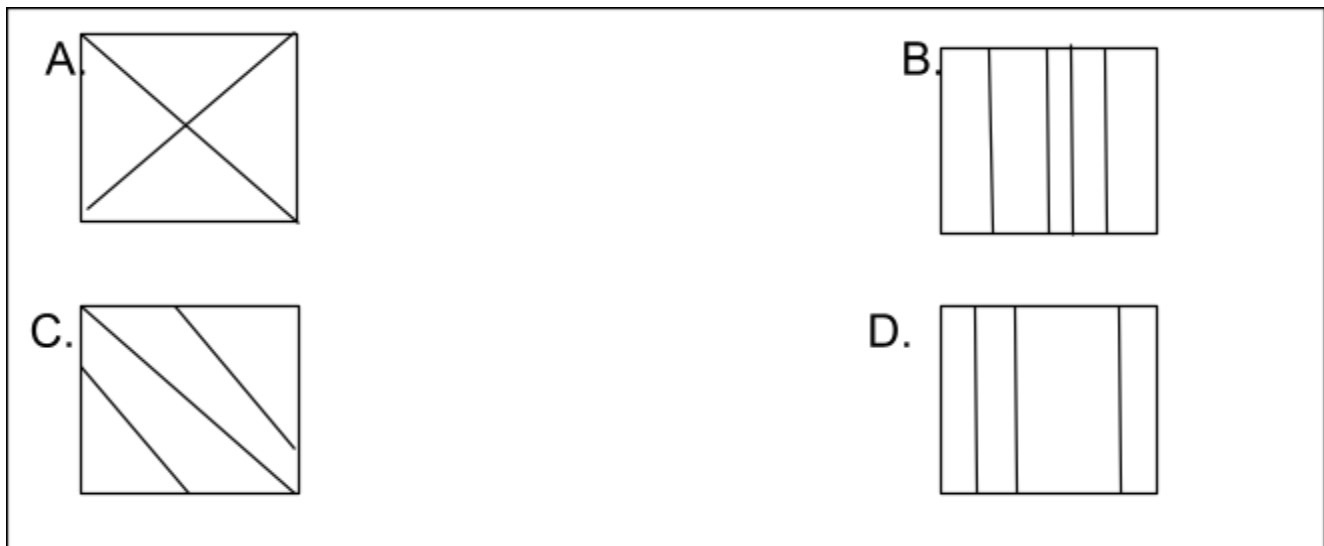
A. 5 units long and 3 units wide

C. 8 units long and 2 units wide

B. 10 units long and 6 units wide

D. 12 units long and 2 units wide

9. Each of the squares below has sides of equal length. In which choice does the square show fourths as a fraction?



10. Laura shaded some part of this game.



What fraction of the game is shaded?

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

B. $\frac{2}{4}$

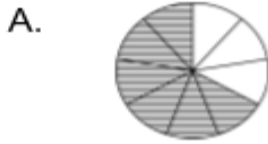
C. $\frac{2}{2}$

D. $\frac{4}{6}$

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



> _____



12. Lana's goal is to run 24 miles.

- She runs 8 miles each day.
- She has run for 2 days.

Which equation can be used to find how many more miles, n , Lana still needs to run to reach her goal?

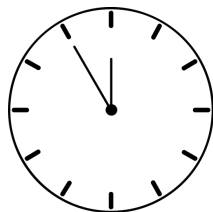
A. $8 \times 2 + n = 24$

C. $8 \times 2 - n = 24$

B. $8 \times 2 \times n = 24$

D. $9 \times 4 + n = 24$

13. Marcy leaves her house at the time shown.



She arrives at the store 45 minutes later. At what time does Marcy get to the store?

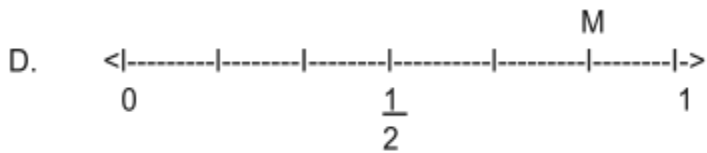
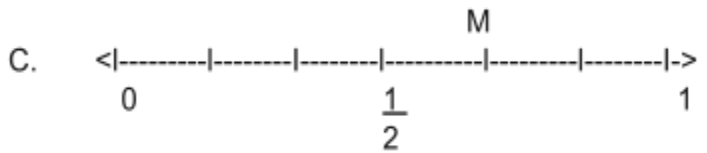
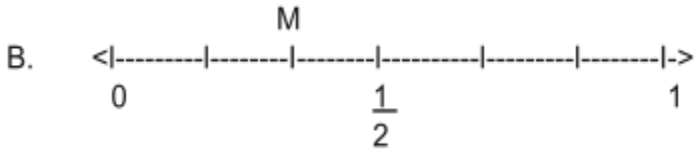
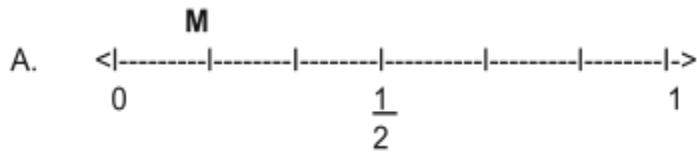
A 12:50

B 12:15

C 12:40

D 1:30

14. Which number line shows point M at $\frac{1}{3}$?



15. Laura has 36 cookies. She will give all of the cookies to her 4 friends. They will each receive the same number of cookies.

Which equation will help Shana decide how many cookies, n , to give to each friend?

A $n \times 4 = 36$

B $n \div 4 = 9$

C $36 - 4 = n$

D $36 + 4 = n$

16. A farmer planted 9 different types of beans. He planted 30 of each type.
How many beans did the farmer plant?

A 180

B 270

C 27

D 390

17. There were 916 people attending a softball game. After 89 people left.
How many people were at the softball game before the people left?

A 1,005

B 973

C 827

D 275

18. What value for M makes this equation true?

$$M \div 8 = 8$$

A 16

B 64

C 1

D 56

19. Sam's goal is to walk 63 miles.

- He walks 9 miles every day.
- He has walked for 3 days.
- Sam still needs to walk k more miles for his goal.

Which equation could be used to find how many more miles, k , Sam will have to walk to meet his goal?

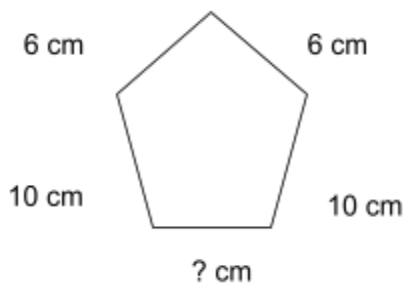
A. $63 = 9 \times 3 + k$

C. $63 = 5 \times 7 - k$

B. $63 = 5 \times 7 \times k$

D. $63 = 5 + 7 + k$

20 The perimeter of this pentagon is 35 cm.



What is the missing length?

A. 5 cm

B. 8 cm

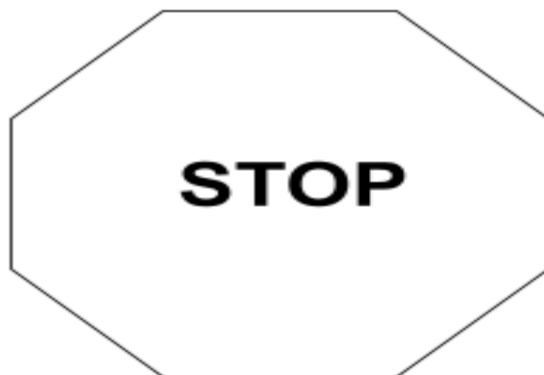
C. 3 cm

D. 10 cm

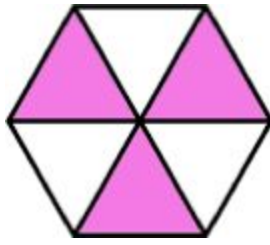
This is the end of the calculator inactive test questions.

Directions:

- 1. Look back over your answers for the calculator inactive questions. You will not be able to go back and work on these questions once you are given a calculator.**
- 2. Raise your hand to let your teacher know you are ready to begin the calculator active test questions.**
- 3. Do not begin to work on the calculator active test questions until your teacher has given you a calculator.**



21. A fraction of this hexagon is shaded.

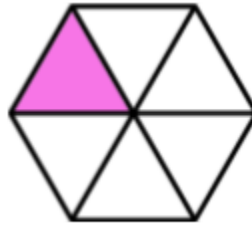


Which hexagon has an equal fraction shaded?

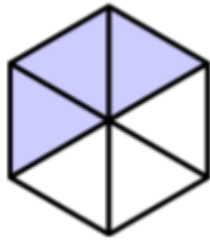
A.



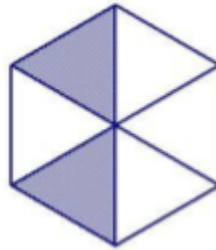
C.



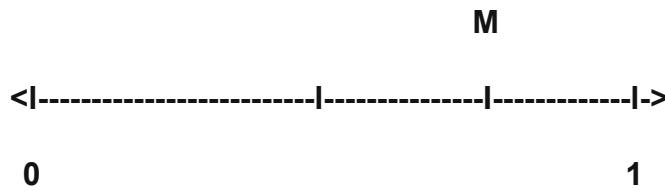
B.



D.



22. Which fraction is represented by point M on the number line?



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

B. $\frac{2}{3}$

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

D. $\frac{2}{4}$

23. Benny and his friends collected 48 sticks. Each person collected 6 sticks. How many people collected sticks?

- A. 54 B. 42 C. 7 D. 8

24. Carlos wrote 2 pages in his journal every day for 7 days. His journal has a total of 32 total pages. How many pages does Carlos have left to write before his scrapbook will be full?

- A. 14 pages B. 33 pages C. 18 pages D. 41 pages

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



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

26. A car rental company charges \$30 per day plus a one time fee of \$50 to rent a car. A person needs to rent a car for 7 days. How much will the person pay to rent the car?

- A \$560 B \$260 C \$140 D \$87

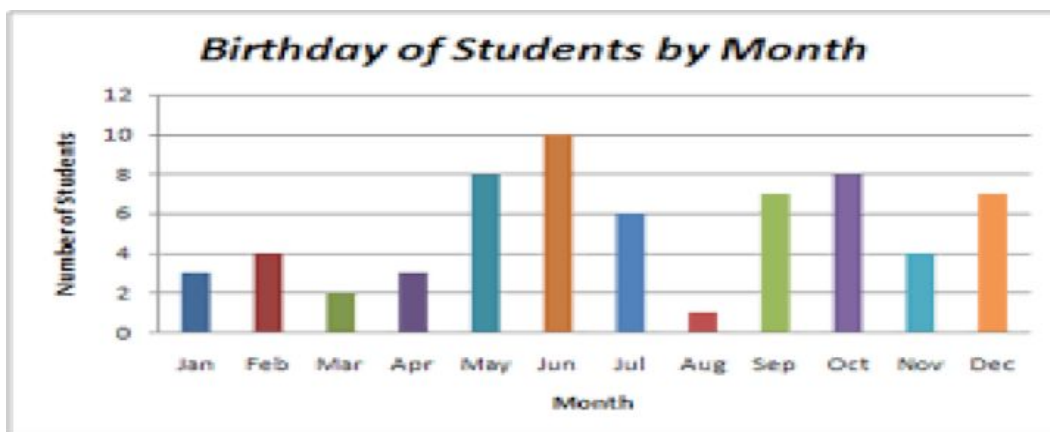
27. Mrs. Hooper drew a shape. It was a quadrilateral. Opposite sides were equal. What shape did Mrs. Hooper draw?

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

28. A bus makes 6 stops each day. How many days will it take for the bus to make 42 stops?

- A. 13 B. 42 C. 1 D. 7

29. All of the third grade classes counted the number of birthdays students had in each month. They made a graph to show how many birthdays were in each month.



How many more birthdays did students have in November and December than in August and March?

- A. 8 B. 14 C. 11 D. 3

30. A school collects Box Tops for the students.

- Third graders collected 432 Box Tops.
- Third graders collected 268 more Box Tops than fourth graders.

How many Box Tops did the fourth grade class collect?

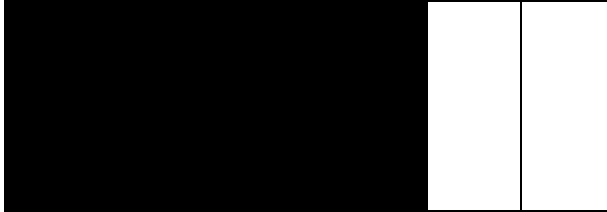
- A. 164 B. 236 C. 790 D. 700

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

81, 72, _____, 54, 45

- A. $72 + 9$ B. $54 - 9$ C. $72 - 10$ D. $54 + 9$

32. Ben shaded this rectangle.



Jim's rectangle is the same size. He shaded less than Ben.

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

- A. $\frac{1}{6}$ C. $\frac{6}{6}$
B. $\frac{5}{6}$ D. $\frac{2}{1}$

33. Maria made 234 ornaments. Lisa made 97 fewer ornaments than Maria.

How many ornaments did they make in all?

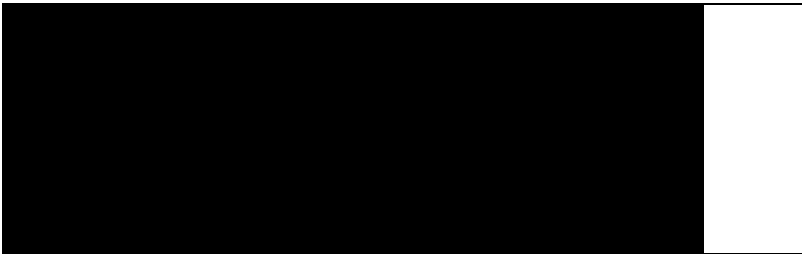
- A. 137 B. 371 C. 331 D. 518

34. Which answer choice shows two correct ways to arrange 24 dimes in equal rows?

- A. 2 rows of 4, or 4 rows of 2
B. 8 rows of 3, or 3 rows of 8
C. 12 rows of 3, or 3 rows of 12
D. 20 rows of 4 or 4 rows of 20

35. Which shape is $\frac{3}{4}$ shaded?

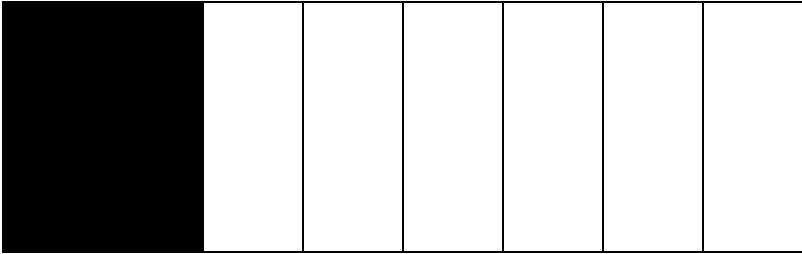
A.



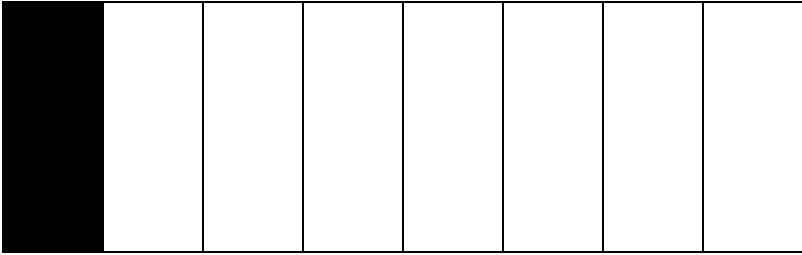
B.



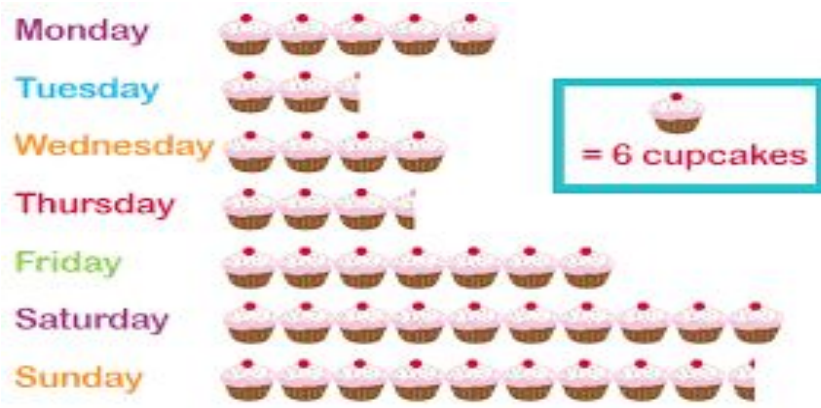
C.



D.



36. Mary's parents bought cupcakes each day.



How many more cupcakes did Mary's parents buy on Friday than Tuesday?

- A. 27 cupcakes B. $4\frac{1}{2}$ cupcakes C. 39 cupcakes D. 35 cupcakes

37. Mr. Lazar is comparing two rectangles.

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

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

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

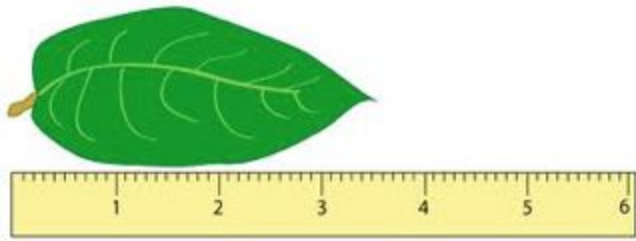
38. Cailey has a bookcase with 8 shelves.

- She used only 6 shelves.
- She put 4 books on each shelf.

Which choice shows another way Lacey could put the same number of books in the bookcase, but this time, using all of the shelves?

- A. 3 books on each shelf C. 52 books on each shelf
B. 18 books on each shelf D. 6 books on each shelf

39. This shows a leaf and a ruler.



What is the length of the leaf?

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

40. Sonya baked 342 cookies for a bake sale. Sam baked 67 fewer cupcakes than Sonya. How many cookies did they bake in all?

- A. 275 B. 409 C. 617 D. 747

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 login 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>

ISTATION Math- Students log in through the NC cloud using their number and password

