

TEST NAME: **Number Sys EOG prep2**  
TEST ID: **4043948**  
GRADE: **07 - Seventh Grade**  
SUBJECT: **Mathematics**  
TEST CATEGORY: **My Classroom**

Student: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1. What is the value of the expression  $-40 - (-50 - 2) + 10$ ?
  - A.  $-88$
  - B.  $18$
  - C.  $22$
  - D.  $99$
  
2. Layla bought a pencil for \$1.25, a pen for \$2.25, and three erasers for \$0.45 each. She gave the cashier \$10 for the items. How much change did Layla get back?
  - A. \$3.95
  - B. \$4.85
  - C. \$5.15
  - D. \$6.05
  
3. Alex bought four 15-pound bags of dog food, three  $4\frac{1}{2}$ -pound bags of cat food, and two  $\frac{1}{2}$ -pound bags of fish food. How many pounds of pet food did Alex buy?
  - A. 20 pounds
  - B.  $29\frac{1}{2}$  pounds
  - C. 66 pounds
  - D.  $74\frac{1}{2}$  pounds

4. Sam is making a project out of wood. He needs a board that is  $2\frac{3}{4}$  feet long. He has a board that is  $3\frac{1}{8}$  feet long. How much does Sam need to cut from the board for the project?
- A.  $\frac{1}{8}$  foot
- B.  $\frac{3}{8}$  foot
- C.  $\frac{5}{8}$  foot
- D.  $\frac{7}{8}$  foot
5. Marcus is building a fence around his rectangular backyard. The length of his backyard is  $75\frac{3}{4}$  ft, and the width is  $81\frac{1}{4}$  ft. If the fence is  $\frac{3}{4}$  finished, how much fencing is left to complete?
- A. 314.0 ft
- B. 270.0 ft
- C. 235.5 ft
- D. 78.5 ft
6. Maria fills a  $\frac{1}{4}$  measuring cup 3 times with sugar, a  $\frac{1}{3}$  measuring cup 4 times with flour, and a  $\frac{1}{2}$  measuring cup 3 times with water. How many total cups of ingredients did Maria use altogether?
- A.  $1\frac{1}{9}$
- B.  $2\frac{1}{3}$
- C.  $2\frac{7}{12}$
- D.  $3\frac{7}{12}$

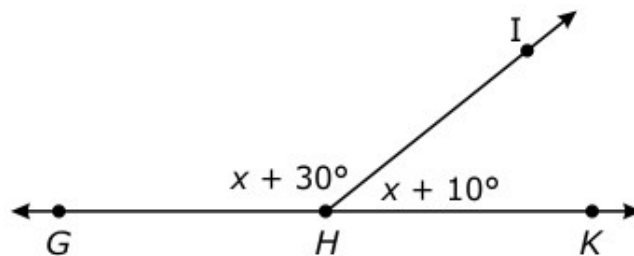
7. Eliana worked  $16\frac{1}{2}$  hours the first week of the month and  $16\frac{1}{4}$  hours the second week of the month. Her pay for these 2 weeks was \$412.65. How much did Eliana earn per hour?
- A. \$12.50
  - B. \$12.60
  - C. \$16.38
  - D. \$32.75
8. A pair of jeans is on sale for 25% off the original price. The sale price is \$78. What is the original price?
- A. \$59
  - B. \$103
  - C. \$104
  - D. \$312
9. In 1 week, Kim jogged 5.6 miles. She increased the distance she jogged each week by  $\frac{3}{4}$  mile. At the end of 5 weeks, how many total miles had Kim jogged?
- A. 21.0 miles
  - B. 29.9 miles
  - C. 35.5 miles
  - D. 39.3 miles
10. On Saturday, Casey earns \$15 babysitting. On Sunday, she receives \$68 for her birthday. Casey purchases a belt for \$11.50, a sweater for \$23.24, and a pair of jeans for \$29.99. She deposits the remaining money into her savings account. If Casey had a balance of \$37.23 in her savings account before making her deposit, how much money does she currently have in her savings account?
- A. \$18.27
  - B. \$55.50
  - C. \$58.00
  - D. \$120.23

11. This table shows the beginning balance and a few banking transactions for Anna's checking account.

Date	Transaction	Amount
5/4	beginning balance	\$207.21
5/7	deposit	\$124.98
5/8	withdrawal	\$30.00
5/10	debit card purchase	\$15.87
5/12	deposit	\$45.85
5/16	ending balance	?

What is the ending balance of Anna's account on May 16th?

- A. \$82.25
  - B. \$332.17
  - C. \$423.91
  - D. \$478.46
12. A diagram is shown below.



Which equation can be used to determine the value of  $x$ ?

- A.  $2x + 40 = 180$
- B.  $2x + 40 = 90$
- C.  $3x + 40 = 90$
- D.  $x^2 + 40 = 180$

13. At the end of each month, Erik's bank balance has been increasing by 10% for the last several months. If his balance at the end of April is \$299.50, **approximately** what was Erik's balance at the end of January?
- A. \$210
  - B. \$225
  - C. \$240
  - D. \$329

14. Five friends went to the zoo.

- Tickets cost \$8.50 each.
  - Each person purchased a drink for \$3.50.
  - Three of the people had a discount coupon for \$2.50 off the cost of admission.
  - The friends split the total cost equally.
- 

How much did each person spend?

- A. \$10.13
  - B. \$10.50
  - C. \$11.50
  - D. \$12.00
15. Jamie's truck has a 40-gallon gas tank.
- The tank is one-fifth full of gas.
  - Jamie is filling the rest of the tank with gas that costs \$1.89 per gallon.

What is the **approximate** cost for Jamie to completely fill her tank?

- A. \$76
- B. \$61
- C. \$38
- D. \$15

16. A spinner has 3 sections of different sizes. The sections are orange, purple, and green.  $\frac{1}{4}$  of the spinner is orange.  $\frac{7}{12}$  of the spinner is purple. Which fraction of the spinner is green?

A.  $\frac{5}{6}$

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

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

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

17. A bakery had 3 dozen eggs. The baker made 3 batches of cookies. Each batch required  $\frac{3}{4}$  dozen eggs. What fraction of a dozen eggs remained?

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

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

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

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

18. Ted has \$85.00 in his account. He makes deposits of \$32.00, \$115.00, \$45.18, and \$59.65, and a withdrawal of \$49.15.

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What is the total amount Ted now has in the bank?

A. \$185.00

B. \$287.68

C. \$336.83

D. \$385.98

19. When Greg won the jackpot prize of \$8,000, he put 15% into a savings account. He then spent \$588 on computer software, \$57 on school supplies, and \$29 on snacks. He gave his mother half of what was left. How much of the original \$8,000 does Greg have left?
- A. \$2,726  
 B. \$3,063  
 C. \$3,326  
 D. \$7,311
20. Betty is baking cookies for her coworkers. The ingredients to make one batch are listed in the table below.

	<b>Chocolate Chip</b>	<b>Oatmeal</b>
Eggs	4	3
Flour	$1\frac{1}{4}$ cup	$2\frac{1}{4}$ cups
Sugar	$\frac{3}{4}$ cup	$1\frac{1}{2}$ cup

Betty plans to make one batch of oatmeal cookies and one batch of chocolate chip cookies. Each egg costs \$0.20, a cup of flour costs \$0.30, and a cup of sugar costs \$0.40. How much money will it cost Betty to make the cookies?

- A. \$3.48  
 B. \$3.35  
 C. \$1.88  
 D. \$1.48

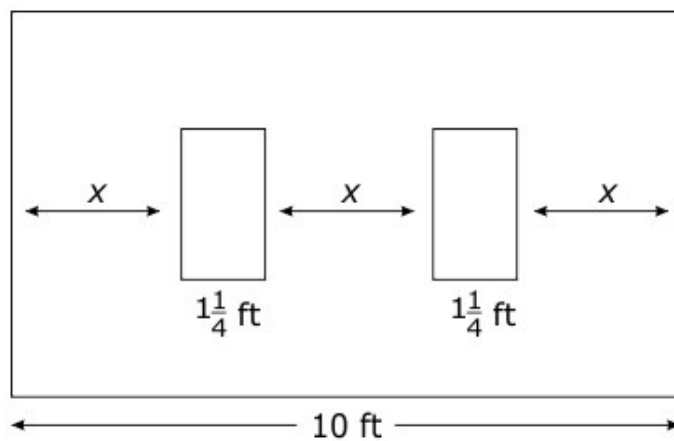


21. This chart shows the changes in value of one share of a stock at the end of each day. The value of the stock on Monday morning was \$28.42 a share.

Day of the Week	Change in Value of Stock
Monday	-\$5.50
Tuesday	\$3.20
Wednesday	-\$6.00
Thursday	-\$4.80
Friday	\$10.00

Sam owns 12 shares of the stock. What is the total value of Sam's stock at the end of the day on Friday?

- A. \$303.84  
B. \$311.54  
C. \$337.94  
D. \$369.84
22. This figure shows two identically sized posters that need to be hung on a 10-foot-wide wall.



How far apart, in feet, should each poster be for  $x$  to be the same distance at all three places?

23. Henry worked for  $5\frac{1}{2}$  weeks at a summer camp.

- He earned \$250.00 per week after taxes.
- He saved  $\frac{2}{5}$  of his entire earnings and spent the rest.

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How much money from his summer earnings did Henry spend?  
(Note: Express the answer as dollars.cents.)

24. Allison wants to buy a skirt that has a regular price of \$30.

- The skirt is on sale for  $\frac{1}{5}$  off the regular price.
- Allison has a coupon that will take  $\frac{1}{10}$  off the sale price.
- There is no sales tax on clothing.

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If Allison pays with a \$50 bill, how much change will she receive?

(Note: Express the answer as dollars.cents.)

25. A store sells apples and oranges. Apples cost \$2.00 per pound, and oranges cost \$3.00 per pound. Jenny purchased  $1\frac{3}{4}$  pounds of apples and  $2\frac{1}{2}$  pounds of oranges. How much did Jenny spend on apples and oranges?

(Note: Express the answer as dollars.cents.)

26. Megan bought  $2\frac{1}{4}$  pounds of bananas for \$0.80 per pound and  $1\frac{1}{2}$  pounds of strawberries for \$1.10 per pound. How much more did Megan spend on bananas than on strawberries?

(Note: Express the answer as dollars.cents.)

27. Blake is paid \$8.75 an hour. He worked 6 hours and spent  $\frac{1}{5}$  of his pay on a book. How much money did he have after he paid for the book?

(Note: Express the answer as dollars.cents.)

28. Bill has a rectangular garden that is  $3\frac{1}{2}$  feet by  $4\frac{1}{2}$  feet. A bag of fertilizer covers  $5\frac{1}{4}$  square feet. What is the minimum number of bags Bill needs to buy to fertilize his garden?
29. Ann is using a recipe that serves 20 people. The recipe requires  $\frac{1}{2}$  of a cup of sugar. How many cups of sugar does Ann need to serve 70 people with this recipe?
30. What is the value of the expression  $-4\frac{1}{2} - 1\frac{1}{4} + 1\frac{3}{8}$ ?
- A.  $4\frac{5}{8}$
- B.  $-1\frac{7}{8}$
- C.  $-4\frac{3}{8}$
- D.  $-7\frac{1}{8}$
31. What is the decimal equivalent of  $\frac{11}{80}$ ?
- A. 0.1375
- B. 0.1425
- C. 0.7270
- D. 7.2700
32. Which expression is equivalent to  $27\left(-\frac{2}{3}x + \frac{1}{3}\right) - 5x$ ?
- A.  $13x + 9$
- B.  $-13x + 9$
- C.  $-18x + 9$
- D.  $-23x + 9$

33. Mrs. Jones baked 48 cookies. Her son ate  $\frac{1}{4}$  of the cookies, then her husband ate  $\frac{1}{6}$  of the remaining cookies. How many cookies were left?
- A. 36  
B. 30  
C. 28  
D. 20
34. Coach Ross baked some brownies. He gave  $\frac{5}{9}$  of them to the football team and  $\frac{1}{2}$  of the remaining brownies to the cheerleaders. He had 10 brownies left. How many brownies did Coach Ross bake?
- A. 20  
B. 25  
C. 35  
D. 45
35. What is the value of  $x$  in the  $\frac{2}{3}(x - 9) = 12$
- A. 45  
B. 27  
C. 14  
D. 9
36. What is the value of the expression  $-6\frac{3}{4} - 1\frac{3}{12}$
- A.  $-8\frac{7}{16}$   
B.  $-5\frac{2}{5}$   
C.  $5\frac{2}{5}$   
D.  $8\frac{7}{16}$

37. Which decimal is equivalent to  $\frac{9}{20}$ ?
- A. 0.045
  - B. 0.22
  - C. 0.45
  - D. 2.2
38. Which expression is equivalent to  $\frac{2}{5}(20y - 10) + \frac{1}{8}(-40y + 48) - 2y$ ?
- A.  $6y + 2$
  - B.  $y + 2$
  - C.  $-5y + 2$
  - D.  $-6y + 2$
39. A farmer owns 9 fields that are  $1\frac{1}{2}$  acres each. He also owns one larger field that is  $7\frac{1}{2}$  acres. He separated all his land into  $1\frac{3}{4}$  acre lots. How many lots does the farmer have?
- A. 10
  - B. 12
  - C. 18
  - D. 21

40. Three pies were made for a party. Each pie was cut into eight pieces.

- $\frac{3}{8}$  of the apple pie was left
- $\frac{1}{2}$  of the cherry pie was left
- $\frac{3}{4}$  of the pumpkin pie was left

How many total pieces of pie are left over?

- A. 7
- B. 9
- C. 11
- D. 13

41. Which decimal is equivalent  $\frac{3}{16}$

- A. 0.01875
- B. 0.01895
- C. 0.1875
- D. 0.1895

42. Tom bought a television and paid  $\frac{3}{4}$  of the original price, including tax.

The original price of the television was \$500. How much change did Tom receive if he paid the cashier \$400?

- A. \$25
- B. \$50
- C. \$75
- D. \$150

43. What is the value of  $-17 - (-1) + \frac{2}{3} + -\frac{1}{2}$ ?

A.  $-17\frac{5}{6}$

B.  $-16\frac{5}{6}$

C.  $-15\frac{5}{6}$

D.  $-14\frac{5}{6}$

44. What is the value of the expression below?

$$-2\frac{1}{3} - 3\frac{5}{6} + 1\frac{1}{3}$$

A.  $-7\frac{1}{6}$

B.  $-4\frac{5}{6}$

C.  $-3\frac{1}{6}$

D.  $-2\frac{5}{6}$

45. Which choice is equivalent  $\frac{16}{45}$

A.  $0.\overline{32}$

B.  $0.\overline{335}$

C.  $0.\overline{35}$

D.  $0.\overline{355}$

46. Which decimal is equivalent  $\frac{13}{5}$
- A. 2.35
  - B. 2.60
  - C. 2.70
  - D. 6.00
47. The temperature was  $-5^{\circ}\text{C}$  at 6:00 a.m. It increased  $\frac{3}{4}$  of a degree every hour for 6 hours. The temperature then increased  $1\frac{1}{2}$  degrees every hour for 5 hours. What was the temperature at 5:00 p.m.?
- A.  $7^{\circ}\text{C}$
  - B.  $8\frac{1}{4}^{\circ}\text{C}$
  - C.  $12^{\circ}\text{C}$
  - D.  $19\frac{1}{4}^{\circ}\text{C}$
48. Which number is equivalent  $\frac{5}{11}$
- A. 0.45
  - B.  $0.\overline{45}$
  - C. 2.2
  - D.  $2.\overline{2}$
49. Which decimal is equivalent to  $\frac{5}{12}$ ?
- A. 0.042
  - B.  $0.\overline{416}$
  - C.  $0.\overline{512}$
  - D. 2.400



50. A carpenter wants to cut a 24-foot piece of wood into sections measuring  $3\frac{1}{8}$  feet. How many complete sections can be cut?
- A. 9  
B. 8  
C. 7  
D. 6
51. In a bucket, Brandon mixed  $\frac{1}{8}$  of a gallon of white paint with  $\frac{2}{3}$  of a gallon of green paint. How much paint did he have in the bucket?
- A.  $\frac{1}{12}$  of a gallon  
B.  $\frac{2}{12}$  of a gallon  
C.  $\frac{17}{24}$  of a gallon  
D.  $\frac{19}{24}$  of a gallon
52. What is the value of the expression  $7\frac{3}{5} + -8\frac{4}{7}$ ?
- A.  $-2\frac{6}{35}$   
B.  $-1\frac{1}{35}$   
C.  $-\frac{34}{35}$   
D.  $-\frac{22}{35}$
53. Mary had \$60 and spent  $\frac{3}{4}$  of it for a coat. She then bought a skirt with  $\frac{1}{2}$  the money she had left. How much money did she have left after buying her coat and skirt?
- A. \$7.50  
B. \$15.00  
C. \$37.50  
D. \$45.00

54. Which number is equivalent to  $\frac{4}{25}$ ?
- A. 0.16  
 B. 0.24  
 C. 6.25  
 D. 8.25
55. Caleb has a piece of wood that is 156 inches long. He wants to cut the wood into  $2\frac{3}{4}$ -foot sections. How many whole  $2\frac{3}{4}$ -foot sections can Caleb cut?
- A. 57  
 B. 56  
 C. 5  
 D. 4
56. The table below shows how much money Elena earned babysitting for 5 weeks.

Week	Earnings
1	\$27.50
2	\$32.50
3	\$18.50
4	\$24.50
5	\$30.00

She saved  $\frac{1}{4}$  of the money she earned. What was Elena's average weekly savings?

- A. \$6.65  
 B. \$6.88  
 C. \$26.60  
 D. \$33.25

57. What is the value of  $\frac{5}{8} - \frac{7}{24}$  ?

A.  $-\frac{1}{8}$

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

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

D.  $\frac{11}{12}$

58. What is the value of  $-7\frac{1}{3} + -5\frac{4}{7}$  ?

A.  $-12\frac{19}{21}$

B.  $-12\frac{1}{2}$

C.  $-2\frac{3}{4}$

D.  $-2\frac{5}{21}$

59. Sally plans to run 12 miles. She ran  $5\frac{1}{8}$  miles and then stopped for a water break. How many miles does Sally have left to run?

A. 6.125 miles

B. 6.875 miles

C. 7.125 miles

D. 7.875 miles

60. Which decimal is equivalent to  $\frac{1}{125}$  ?

A. 8

B. 0.8

C. 0.08

D. 0.008

61. What is the value of the expression below?

$$-8.125 + 7\frac{3}{8}$$

A.  $-\frac{3}{8}$

B.  $-\frac{3}{4}$

C.  $-1\frac{1}{2}$

D.  $-15\frac{1}{2}$

62. Which choice is equivalent  $\frac{16}{125}$

A. 1.28

B. 0.128

C. 0.0128

D. 0.00128

63. Which expression is equivalent to  $-4m - 2\frac{1}{4} - 6\frac{1}{4}$ ?

A.  $-4(m + 1)$

B.  $-4\left(m + 2\frac{1}{8}\right)$

C.  $-4(m - 1)$

D.  $-4\left(m - 2\frac{1}{8}\right)$

64. Allison's dog had 5 puppies. The weights of the puppies are  $1\frac{1}{2}$ ,  $1\frac{3}{4}$ ,  $2\frac{1}{8}$ ,  $1\frac{7}{8}$ , and  $2\frac{1}{4}$  pounds. What is the average weight of the puppies?
- A.  $1\frac{1}{2}$  pounds
- B.  $1\frac{3}{4}$  pounds
- C.  $1\frac{9}{10}$  pounds
- D.  $2\frac{1}{10}$  pounds

65. What is the value of the expression below?

$$\frac{3}{4} \times \frac{4}{7} \div \frac{1}{4} \times \frac{2}{5}$$

- A.  $\frac{3}{7}$
- B.  $\frac{24}{35}$
- C.  $1\frac{1}{10}$
- D.  $1\frac{5}{7}$
66. On Monday, Martin had  $5\frac{2}{3}$  gallons of gas in his car. On his way to work, he added 4 gallons to the tank. He then drove to work and used  $1\frac{3}{4}$  gallons. Three days later, he added  $2\frac{1}{4}$  gallons of gas to his tank. He then used 4 gallons of gas driving to his grandparent's house. How much gas remains in Martin's tank?
- A.  $\frac{1}{2}$  gallon
- B.  $6\frac{1}{8}$  gallons
- C.  $9\frac{2}{3}$  gallons
- D.  $17\frac{2}{3}$  gallons

67. Apples cost \$1.62 per pound, and bananas cost \$0.48 per pound. What is the total cost for  $2\frac{1}{2}$  pounds of apples and  $1\frac{1}{3}$  pounds of bananas?
- A. \$4.69  
B. \$4.55  
C. \$3.77  
D. \$3.36
68. What is the decimal equivalent of  $\frac{15}{20}$  ?
- A. 0.05  
B. 0.15  
C. 0.60  
D. 0.75
69. What is the value of  $-5\frac{4}{5} + (-7\frac{1}{3})$  ?
- A.  $-13\frac{2}{15}$   
B.  $-11\frac{2}{5}$   
C.  $-2\frac{7}{15}$   
D.  $-1\frac{8}{15}$
70. What is the value  $-6\frac{1}{3} \cdot -1\frac{1}{2}$
- A.  $6\frac{1}{6}$   
B.  $6\frac{2}{3}$   
C.  $9\frac{1}{6}$   
D.  $9\frac{1}{2}$

71. Shelley is making a rectangular blanket with the dimensions  $8\frac{1}{2}$  feet by  $5\frac{1}{2}$  feet. She purchases 10 yards of ribbon to put a border around the blanket. Which statement is true?

- A. She will need  $\frac{2}{3}$  more yard of ribbon.
- B. She will have  $\frac{2}{3}$  yard of ribbon left over.
- C. She will need 2 more yards of ribbon.
- D. She will have 2 yards of ribbon left over.

72. What is the value of the expression below?

$$-\frac{2}{9} + -\frac{3}{5} + \frac{1}{3}$$

- A.  $1\frac{7}{45}$
- B.  $\frac{2}{45}$
- C.  $-\frac{22}{45}$
- D.  $-1\frac{7}{45}$

73. What is the value of the expression shown below?

$$-6\frac{1}{2} + 5\frac{1}{2} - 4\frac{3}{8}$$

- A.  $-5\frac{3}{8}$
- B.  $-4\frac{3}{8}$
- C.  $3\frac{3}{8}$
- D.  $7\frac{5}{8}$

74. Jerome studied math for  $\frac{5}{8}$  of an hour, grammar for  $\frac{1}{4}$  of an hour, science for  $\frac{2}{5}$  of an hour, and history for  $\frac{3}{10}$  of an hour. What was the total amount of time Jerome spent studying?

A.  $\frac{11}{27}$  of an hour

B.  $\frac{3}{4}$  of an hour

C.  $1\frac{11}{40}$  hours

D.  $1\frac{23}{40}$  hours

75. Which decimal is equivalent to  $\frac{1}{6}$  ?

A. 0.16

B.  $\frac{\quad}{0.16}$

C.  $\frac{\quad}{0.16}$

D. 1.60

76. Which decimal is equivalent to  $\frac{29}{500}$  ?

A. 0.029

B. 0.058

C. 0.29

D. 0.58



77. A recipe requires  $2\frac{1}{2}$  times as much flour as sugar. If the recipe requires  $\frac{3}{4}$  cup of sugar, how much flour does the recipe require?
- A.  $1\frac{7}{8}$  cups
  - B.  $2\frac{1}{4}$  cups
  - C.  $2\frac{1}{2}$  cups
  - D.  $3\frac{1}{4}$  cups
78. Courtney bought 3 packages of peanuts. Each package weighed  $2\frac{3}{4}$  pounds. When she got home, Courtney divided the peanuts into  $\frac{1}{4}$ -pound bags. How many bags did Courtney make?
- A. 11
  - B. 12
  - C. 27
  - D. 33
79. Which decimal is equivalent to  $\frac{17}{25}$ ?
- A. 0.17
  - B. 0.34
  - C. 0.68
  - D. 1.47
80. After Karen spent  $\frac{1}{4}$  of her paycheck on a coat, she had \$96 left. What was the cost of her coat?
- A. \$24
  - B. \$32
  - C. \$72
  - D. \$128

81. Which number when multiplied by  $-18$  gives a product less than  $-18$ ?
- A.  $-3.4$
  - B.  $-\frac{10}{9}$
  - C.  $\frac{1}{5}$
  - D.  $1.6$
82. Which number is equivalent  $\frac{5}{16}$
- A.  $0.3125$
  - B.  $0.32$
  - C.  $3.125$
  - D.  $3.2$
83. Roger bought 8 small bricks for his garden for \$5.56. The total weight of the bricks was  $6\frac{1}{4}$  pounds. How many pounds does one brick weigh?
- A.  $\frac{3}{4}$  pound
  - B.  $\frac{3}{16}$  pound
  - C.  $\frac{25}{32}$  pound
  - D.  $\frac{69}{100}$  pound
84. Which value is equivalent to  $1\frac{7}{8}$ ?
- A.  $0.1875$
  - B.  $0.875$
  - C.  $1.087$
  - D.  $1.875$

85. Which decimal is equivalent  $\frac{6}{25}$
- A. 0.24
  - B. 0.42
  - C. 2.40
  - D. 4.20
86. Kathy jumped  $16\frac{1}{2}$  ft at the long jump event. Nadia jumped  $18\frac{1}{8}$  ft at the long jump. How much farther did Nadia jump than Kathy?
- A.  $34\frac{6}{8}$  feet
  - B.  $2\frac{1}{6}$  feet
  - C.  $1\frac{5}{8}$  feet
  - D.  $\frac{5}{8}$  feet
87. A diver jumps from a cliff that is  $48\frac{1}{2}$  feet above the surface of the water. She stops descending  $12\frac{1}{2}$  feet under the water. What was the total distance of her jump?
- A. 36 feet
  - B. 58 feet
  - C. 60 feet
  - D. 61 feet

88. Susan gave  $\frac{1}{3}$  of a pizza to her brother. She gave  $\frac{1}{2}$  of what was left to her mother. Susan ate the rest herself. What fraction of the pizza did Susan eat?
- A.  $\frac{1}{6}$
  - B.  $\frac{1}{4}$
  - C.  $\frac{1}{3}$
  - D.  $\frac{3}{5}$

89. What is the value of  $-5\frac{2}{3} + -3\frac{1}{9}$  ?
- A.  $8\frac{1}{4}$
  - B.  $2\frac{1}{6}$
  - C.  $-8\frac{1}{4}$
  - D.  $-8\frac{7}{9}$

90. What is the value of the expression below?

$$\frac{1}{3} \times \frac{1}{2} \div \frac{3}{4}$$

- A.  $\frac{2}{25}$
- B.  $\frac{2}{9}$
- C.  $\frac{1}{3}$
- D.  $\frac{1}{2}$

91. A carpenter cut a  $6\frac{1}{2}$ -ft board into  $1\frac{1}{4}$ -ft sections. What is the number of sections he cut?

- A. 2
- B. 3
- C. 5
- D. 8

92. What is the value of the expression below?

$$-\frac{1}{4} \div \frac{1}{2} \times \frac{1}{5}$$

- A.  $2\frac{1}{2}$
- B.  $\frac{2}{5}$
- C.  $-\frac{3}{10}$
- D.  $-\frac{1}{10}$

93. Which choice is equivalent to  $\frac{7}{200}$ ?

- A. 0.007
- B. 0.035
- C. 0.070
- D. 0.350

94. What is the value of the expression below?

$$-6\frac{2}{5} - 5\frac{1}{3}$$

- A.  $-11\frac{11}{15}$
- B.  $-11\frac{3}{8}$
- C.  $-1\frac{1}{2}$
- D.  $-1\frac{1}{5}$

95. Which decimal is equivalent to  $\frac{62}{11}$ ?

- A. 0.18
- B.  $1.\overline{77}$
- C.  $5.\overline{63}$
- D. 11.62

96. What is the value of  $-\frac{1}{2} + \frac{2}{3} - \frac{1}{9}$ ?

- A.  $\frac{1}{18}$
- B.  $\frac{2}{9}$
- C.  $\frac{5}{18}$
- D.  $1\frac{1}{18}$

97. A pipe that is  $16\frac{2}{3}$  ft long is cut into pieces. What is the maximum number of  $3\frac{1}{3}$ -ft long pieces that can be cut from the pipe?

- A. 3
- B. 4
- C. 5
- D. 6

98. Marci ran a total of 13 miles in five days. She ran  $3\frac{1}{4}$  miles each day on Monday, Wednesday, and Friday. She ran  $1\frac{3}{4}$  miles on Tuesday. How many miles did Marci run on Thursday?
- A.  $1\frac{1}{2}$  miles
- B.  $1\frac{3}{4}$  miles
- C. 2 miles
- D.  $2\frac{1}{4}$  miles
99. Tony's investments lost \$12,545.50 in value over the past  $2\frac{1}{2}$  months. On average, how much did his investments change each month?
- A. -\$31,363.75
- B. -\$5,018.20
- C. \$5,018.20
- D. \$31,363.75
100. Which decimal is equivalent to  $\frac{7}{200}$ ?
- A. 1.4
- B. 0.35
- C. 0.14
- D. 0.035