



Mathematics Grade 3

Wall Mathematics, 3 Unit_17

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WAKE COUNTY SCHOOLS

2013 - 2014

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1. Sarah counted 815 people and some elephants at the circus.

If Sarah counted a total of 837 people and elephants, how many elephants did she see?

- A. 12 elephants
- B. 22 elephants
- C. 52 elephants
- D. 72 elephants

2. Use the chart to answer the question.

Sam and his three friends went to the Eastgate Mall Arcade House. They had a contest to see who could score the most points on Sam's favorite video game called Space Race. The chart lists the highest scorers of the four friends.

Space Race Video Game High Scores	
Player	Score
Ahmad	232
Evan	346
Jerome	419
Sam	515

How many points did Ahmad, Evan, and Jerome score altogether?

- A. 881
- B. 887
- C. 981
- D. 997

3. As part of its preparation for a Thanksgiving dinner party, the staff of the kitchen at a hotel has already cleaned 169 out of the 258 dishes needed. How many dishes still remain to be cleaned?

- A. 89
- B. 99
- C. 189
- D. 199

4. Emily and Alicia collect seashells. Emily has 312 seashells and Alicia has 115 seashells. How many more seashells does Emily have than Alicia?

- A. 197
- B. 203
- C. 207
- D. 297

5. There are 365 days in a year. Students attend school for 180 days.

How many total days are students out of school?

- A. 170 days
- B. 175 days
- C. 180 days
- D. 185 days

6. Which number sentence shows that it does *not* matter which order numbers are added?

- A. $8 + 2 = 8 + 6$
 B. $8 + 6 = 8 + 2$
 C. $8 + 6 + 2 = 8 + 2 + 6$
 D. $8 + 6 + 2 = 8 + 6 + 2$

7. There are 435 dogs entered in the cutest pet contest. There are 312 cats entered in the contest.

How many dogs and cats are entered in the cutest pet contest?

- A. 123
 B. 223
 C. 747
 D. 847

8. Ethan kept a table of the money he made doing different jobs last year.

Summer Jobs	
Job	Money Made
Dog Walking	\$235
Babysitting	\$327
Can Recycling	\$130
Paper Delivering	\$175

How much did Ethan make altogether?

- A. \$757
 B. \$857
 C. \$867
 D. \$967

9. Jeff saw 12 elephants and some clowns at the circus.

If Jeff saw a total of 25 elephants and clowns, how many clowns did he see?

- A. 9 clowns
 B. 13 clowns
 C. 25 clowns
 D. 37 clowns

10. Look for the pattern that is shown by the numbers in the box.

A	B
11	17
15	21
19	
	29
27	33

What numbers are missing?

- A. $A = 25, B = 23$
 B. $A = 23, B = 25$
 C. Both A and B = 23
 D. Both A and B = 25

11. Jesse scored 87 points at the Science Quiz Bowl for the county. Luis scored 94 points at the same competition.

How many more points did Luis score than Jesse?

- A. 4 points
- B. 5 points
- C. 6 points
- D. 7 points

12. Marie and Stacy represented their school in the city jump roping championship. Marie jumped 384 times. Stacy jumped 531 times.

What is the *best* estimate of the total number of jumps that Marie and Stacy made for their school?

- A. 900
- B. 800
- C. 700
- D. 600

13. Lee has 32 miniature cars and trucks in his collection. He wants to have 55 like his friend, Nolan.

Which number sentence shows the way Lee could determine how many more miniature cars and trucks he needs to match Nolan?

- A. $55 - 32 = \underline{\quad}$
- B. $32 + 55 = \underline{\quad}$
- C. $32 - 55 = \underline{\quad}$
- D. $32 - 23 = \underline{\quad}$

14. The florist sold 192 roses and 119 sunflowers.

How many flowers were sold altogether?

- A. 73
- B. 83
- C. 301
- D. 311

15. How many more votes did Wong get for mayor than Brown?

Canton City Mayor Election	
Candidate	Votes
Brown	2,465
Garcia	3,106
Miller	3,300
Wong	2,987

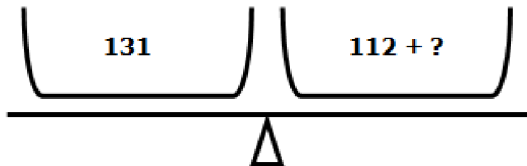
- A. 422
- B. 512
- C. 522
- D. 610

16. Central Elementary School has 634 students who attend school there. The school has 165 more students than Cedar Hill Elementary School.

How many students attend Cedar Hill Elementary School?

- A. 799
- B. 479
- C. 469
- D. 369

17. A balance must have equal amounts on both sides. Look carefully at the balance.



What number is missing from the right side that will make both sides equal?

- A. 243
 B. 29
 C. 21
 D. 19
18. Look at this number sentence.

$$232 + \square = 300 + 42$$

What number should go in the box to make this number sentence *correct*?

- A. 190
 B. 110
 C. 68
 D. 42

19. Study the table.

Name	Starting Page	Ending Page
Evan	63	81
Thaddeus	52	91
Henry	61	75
Naima	55	85

Which equation should be used to determine how many pages Evan read?

- A. $63 + \bigcirc = 81$
 B. $81 + 63 = \bigcirc$
 C. $81 \div \bigcirc = 63$
 D. $63 \times \bigcirc = 81$

20. Mariah was swimming laps underwater. She can hold her breath for 10 seconds before coming up for air. Mariah swam 9 laps.

How long did Mariah hold her breath during the 9 laps?

- A. 19 seconds
 B. 90 seconds
 C. 99 seconds
 D. 190 seconds

21. Which numerical expression is *correct*?

- A. $3 \times 50 = 15$
- B. $3 \times 50 = 53$
- C. $3 \times 50 = 150$
- D. $3 \times 50 = 350$

22. The table below shows the number of jelly beans in each packet and the number of packets of jelly beans Albert and his three friends bought.

	Number of Packets	Number of Jellybeans in Each Packet
Albert	2	20
John	3	10
George	3	20
Sam	4	10

Which of them have the same number of jelly beans?

- A. John and Sam
- B. Albert and Sam
- C. John and George
- D. Albert and George

23. John has a box of candies. The candies are arranged in 5 rows, with 10 candies in each row. Which number sentence shows the number of candies in the box?

- A. $10 \div 5 = 2$
- B. $10 \div 5 = 5$
- C. $10 \times 5 = 50$
- D. $10 \times 5 = 150$

24. John bought 20 packs of pencils. Each pack has 6 pencils. How many pencils did John buy?

- A. 12
- B. 26
- C. 120
- D. 260

25. There are 50 people at the pet store. Each person buys 3 gold fish. How many total gold fish do the people buy?

- A. 47 gold fish
- B. 53 gold fish
- C. 100 gold fish
- D. 150 gold fish

26. Seventy jelly beans will fit into a treat bag. There are eight treat bags. How many jelly beans are in all of the treat bags?

- A. 560 jelly beans
- B. 280 jelly beans
- C. 78 jelly beans
- D. 56 jelly beans

27. There are 40 children dressed for the neighborhood parade. Each child has 9 bags of candy to share with the people watching the parade.

How many total bags of candy do the children have to share?

- A. 49 bags
- B. 180 bags
- C. 360 bags
- D. 400 bags

28. Janice observes an inchworm for 20 minutes. It crawls 5 mm every minute.

How far did the inchworm crawl in 20 minutes?

- A. 4 mm
- B. 25 mm
- C. 100 mm
- D. 400 mm

29. Annette volunteers at the local youth center as a math tutor 90 minutes each week for 5 weeks.

How many total minutes did Annette volunteer tutoring math at the local youth center?

- A. 85 minutes
- B. 95 minutes
- C. 450 minutes
- D. 590 minutes

30. Joseph purchased 10 baseballs from a shop. If the cost of each baseball is \$3, what is the total amount that he has to pay?

- A. \$3
- B. \$7
- C. \$13
- D. \$30

31. In a class there are total of 20 benches. If three students sat on each bench, what is the total number of students in the class?

- A. 17
- B. 20
- C. 23
- D. 60

32. John went to a toy shop. If each toy he bought cost \$8 and he bought 10 such toys, what is the total amount he spent?

- A. \$8
- B. \$10
- C. \$18
- D. \$80

33. Mark's refrigerator had 6 boxes of chocolates. Each box had 10 chocolates. How many chocolates did he have?

- A. 60
- B. 16
- C. 10
- D. 6

34. Cassie spent \$22 buying makeup. She bought eye shadow for \$4 and mascara for \$6. She also bought 3 lipsticks.

What was the cost of 1 lipstick?

- A. \$8
- B. \$6
- C. \$4
- D. \$2

35. John spent \$16 buying first aid supplies. He bought gauze pads for \$5 and tape for \$3. He also bought 4 boxes of bandages.

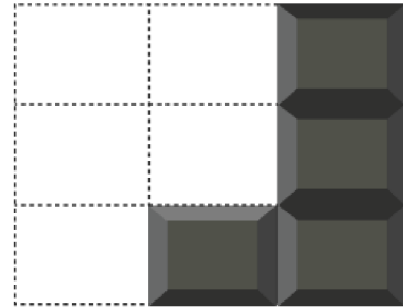
What was the cost of 1 box of bandages?

- A. \$5
- B. \$4
- C. \$2
- D. \$1

36. Abe has 8 marbles. 3 of them are red, and 5 are blue marbles. Which situation represents the fraction $\frac{3}{8}$?

- A. What fraction of Abe's marbles is red?
- B. What fraction of Abe's marbles is blue?
- C. What is the fraction of red marbles to blue marbles?
- D. What is the fraction of blue marbles to red marbles?

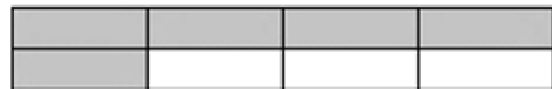
37. Raj ate a portion of a candy bar for dessert. The picture below shows how much of the candy bar is left.



What fraction of the candy bar did Raj eat?

- A. $\frac{4}{9}$
- B. $\frac{5}{9}$
- C. $\frac{4}{5}$
- D. $\frac{5}{4}$

38. Study this diagram.



What fraction of the diagram is shaded?

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

39. In March, Joni made cupcakes for dessert and stuck candles in some of them for those friends who were celebrating birthdays during the month.



What fraction of her friends were celebrating birthdays in March?

- A. $\frac{3}{3}$
B. $\frac{3}{5}$
C. $\frac{3}{6}$
D. $\frac{3}{9}$

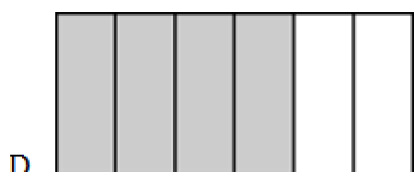
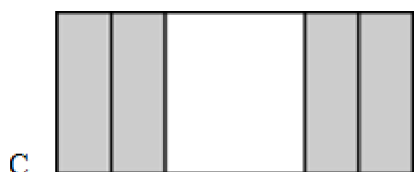
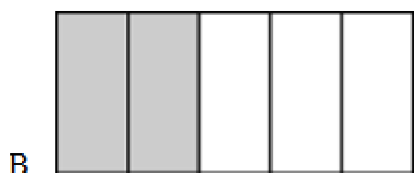
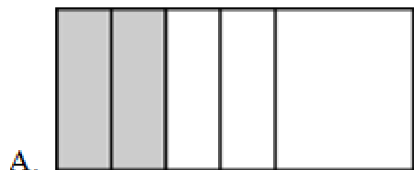
40. Brenda wanted to share her apple with her friends and cut it into equal parts as shown in the photo.



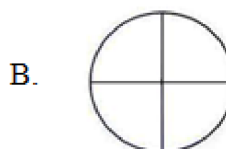
If Brenda ate an equal share of the apple, which statement is true?

- A. Brenda cut her apple into fourths and shared with 3 of her friends.
B. Brenda cut her apple into thirds and shared with 3 of her friends.
C. Brenda cut her apple into fourths and shared with 4 of her friends.
D. Brenda cut her apple into thirds and shared with 4 of her friends.

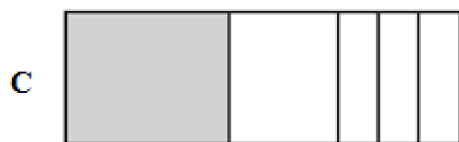
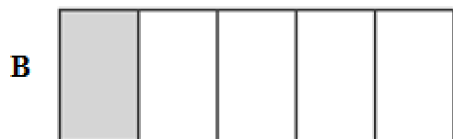
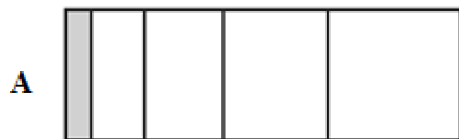
41. Pax divided his rectangular garden into 5 equal parts. He planted herbs on $\frac{2}{5}$ of the garden. Which shaded part *best* represents Pax's herb garden?



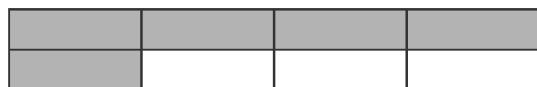
42. Which circle is divided into thirds?



43. Which fraction model represents $\frac{1}{5}$?



44. Study this diagram.



What fraction of the diagram is shaded?

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

45. Isabella bought 5 limes and 3 lemons at the store.

What fraction represents the group of fruit that were lemons?

- A. $\frac{3}{5}$
- B. $\frac{3}{6}$
- C. $\frac{3}{8}$
- D. $\frac{5}{8}$

46. Sandra planted her vegetable garden in equal sections as shown in the diagram.

Tomatoes	Squash	Corn
Potatoes	Cucumbers	Onions

Into what equal-sized sections did Sandra plant her vegetables?

- A. fourths
- B. fifths
- C. sixths
- D. eighths

47. Daniel's baseball team won 7 games and lost 5 games. The team did not tie any games.

What fraction of the games did Daniel's baseball team win?

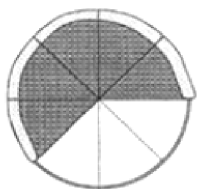
A. $\frac{5}{12}$

B. $\frac{7}{12}$

C. $\frac{5}{7}$

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

48. Seth made a pie for dessert. He cut the pie into equal slices.



Into what equal slices did Seth cut the pie?

- A. fourths
B. fifths
C. sixths
D. eighths

49. What fraction of happy faces are gray?



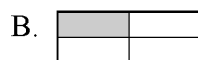
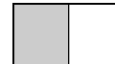
A. $\frac{3}{6}$

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

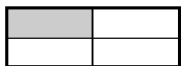
C. $\frac{5}{6}$

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

50. Which model shows the same fraction as this one?



51. Which model shows the same fraction as this one?



- A.
- B.
- C.
- D.

52. Max had a pizza party. What fraction of pizzas does Max have left?



- A. $\frac{1}{7}$
- B. $\frac{3}{4}$
- C. $1\frac{4}{7}$
- D. $1\frac{3}{4}$

53. Julian has six flowers. If three of the flowers are pink and three of the flowers are white, what fraction of the flowers is pink?

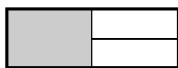


- A. $\frac{2}{3}$
- B. $\frac{1}{2}$
- C. $\frac{1}{3}$
- D. $\frac{1}{6}$

54. Look at the figures. Which figure is more than one-half shaded?

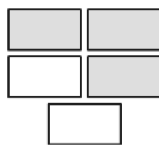
- A.
- B.
- C.
- D.

55. What fraction is shown?



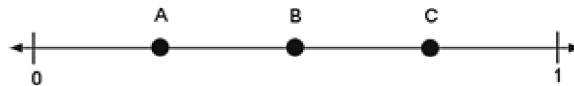
- A. $\frac{1}{2}$
- B. $\frac{1}{3}$
- C. $\frac{1}{4}$
- D. $\frac{1}{5}$

56. What fraction of the boxes are not shaded?



- A. $\frac{1}{2}$
- B. $\frac{1}{4}$
- C. $\frac{2}{5}$
- D. $\frac{3}{5}$

57. The number line in the diagram has been divided into equal parts.



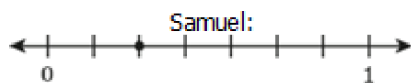
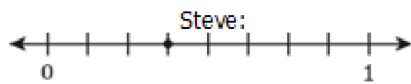
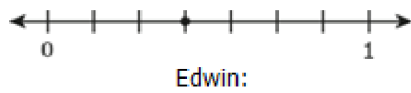
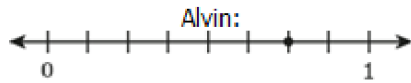
Which set of fractions correctly labels points A, B and C on the diagram?

- A. Point A = $\frac{1}{4}$, Point B = $\frac{2}{4}$, Point C = $\frac{3}{4}$
- B. Point A = $\frac{1}{3}$, Point B = $\frac{2}{2}$, Point C = $\frac{3}{3}$
- C. Point A = $\frac{2}{5}$, Point B = $\frac{3}{5}$, Point C = $\frac{4}{5}$
- D. Point A = $\frac{2}{6}$, Point B = $\frac{3}{6}$, Point C = $\frac{4}{6}$

58. Which number line *best* represents the fraction $\frac{5}{6}$?

- A.
- B.
- C.
- D.

59. A teacher asked four students to mark the fraction $\frac{3}{7}$ on the number line. Their responses are as shown below:

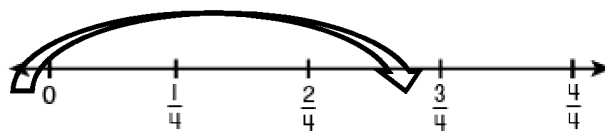


Who answered correctly?

- A. Alvin
- B. Edwin
- C. Steve
- D. Samuel

60.

Raj drew on the number line below to represent a fraction.



Which fraction does the diagram represent?

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

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

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

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

61. Which fraction is closest to 7?

A. $6\frac{1}{2}$

B. $6\frac{3}{4}$

C. $7\frac{4}{5}$

D. $7\frac{1}{2}$

62. Which fraction is closest to 9?

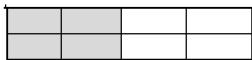
A. $9\frac{1}{2}$

B. $9\frac{3}{4}$

C. $10\frac{4}{5}$

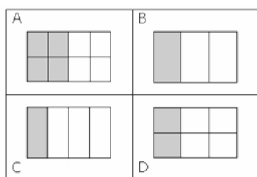
D. $10\frac{1}{2}$

63. Mason had to compare fractions. Which fraction matches or is equal to Mason's picture?



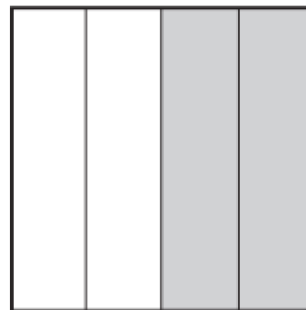
- A. $\frac{1}{4}$
- B. $\frac{1}{8}$
- C. $\frac{1}{2}$
- D. $\frac{1}{3}$

64. Which picture represents the *smallest* fraction?



- A. *A*
- B. *B*
- C. *C*
- D. *D*

65. Jon shaded part of the rectangle gray to represent $\frac{2}{4}$.



Which rectangle is shaded gray to equal Jon's rectangle?



66. Which comparison of fractions is true?

A. $\frac{1}{4} > \frac{2}{4}$

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

C. $\frac{6}{6} < \frac{1}{6}$

D. $\frac{4}{5} > \frac{2}{5}$

67. Which comparison of fractions is true?

A. $\frac{1}{3} > \frac{1}{4}$

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

C. $\frac{5}{6} < \frac{5}{8}$

D. $\frac{2}{5} > \frac{2}{4}$

68. Irene needs to compare $\frac{3}{8}$ to $\frac{5}{8}$. Which comparison should Irene make?

A. $\frac{3}{8} > \frac{5}{8}$

B. $\frac{3}{8} < \frac{5}{8}$

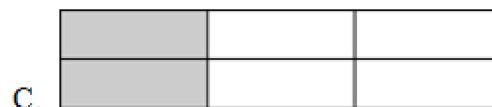
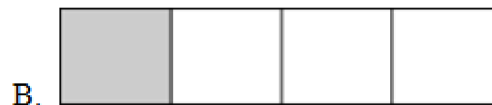
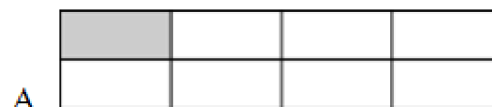
C. $\frac{5}{8} = \frac{3}{8}$

D. $\frac{5}{8} < \frac{3}{8}$

69. Erin and Jack drew equivalent fractions. Erin drew the one shown.



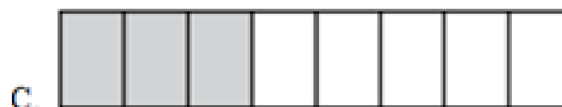
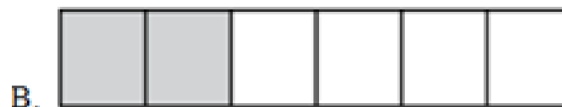
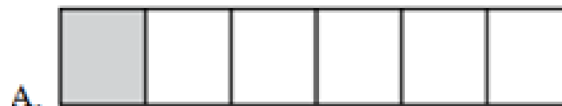
Which of these did Jack draw?



70. Use the model below to answer the question.



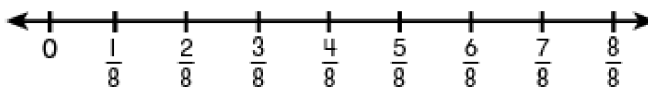
Which of these represents a fraction greater than the one shown?



71.

Use the diagram to answer question.

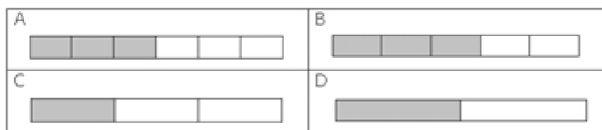
Stacey used the number line below to solve fraction problems.



Which fraction on the number line is equivalent to $\frac{1}{4}$?

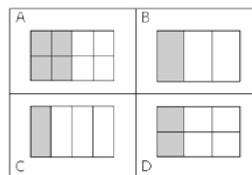
- A. $\frac{2}{8}$
- B. $\frac{3}{8}$
- C. $\frac{4}{8}$
- D. $\frac{5}{8}$

72. Which fraction shows the *smallest* amount?



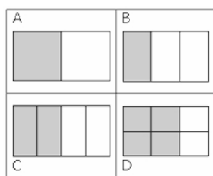
- A. *A*
- B. *B*
- C. *C*
- D. *D*

73. Which picture represents the *largest* fraction?



- A. *A*
- B. *B*
- C. *C*
- D. *D*

74. Which fraction picture represents the *smallest* fraction?



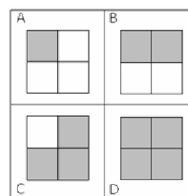
- A. *A*
- B. *B*
- C. *C*
- D. *D*

75. Lisa and her dad had pizza for lunch. The pizza was cut into 8 equal slices. Lisa ate 2 slices of pizza.

What fraction of the pizza did Lisa eat?

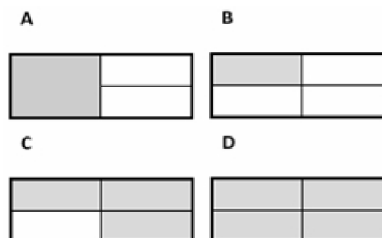
- A. 2
- B. $\frac{1}{2}$
- C. $\frac{1}{4}$
- D. $\frac{1}{8}$

76. Marcus read one fourth of a book the first night and another fourth the next night. Which picture is shaded to represent how much Marcus has read so far?



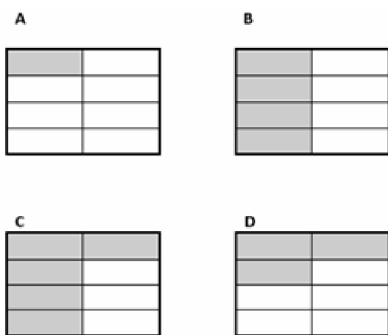
- A. *A*
- B. *B*
- C. *C*
- D. *D*

77. What order shows the shaded boxes from *least* to *greatest*?



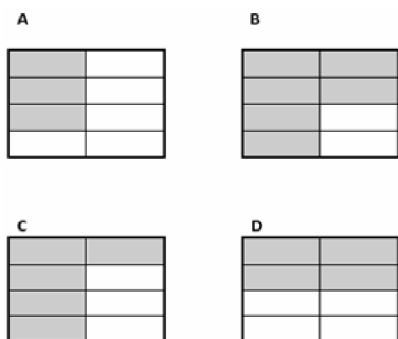
- A. *A, B, C, D*
- B. *B, A, C, D*
- C. *C, A, D, B*
- D. *D, C, B, A*

78. Which statement about the boxes is true?



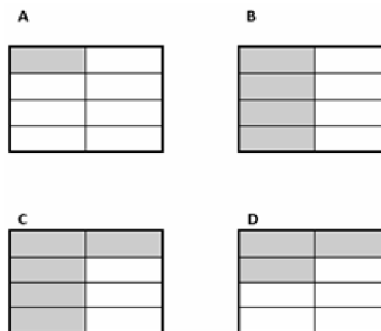
- A. The shaded fraction in C equals the white fraction in B.
- B. The shaded fraction in A equals the white fraction in C.
- C. The shaded fraction in C is greater than the shaded fraction in B.
- D. The shaded fraction in B is greater than the white fraction in A.

79. What order shows the fractions from *greatest to least*?



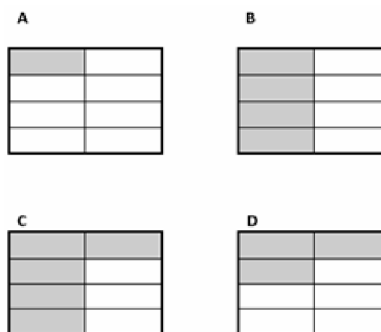
- A. *A, D, C, B*
- B. *B, C, D, A*
- C. *C, D, A, B*
- D. *D, C, B, A*

80. What order shows the shaded fractions from *greatest to least*?



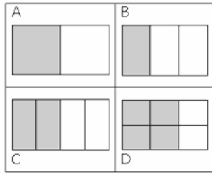
- A. *C, B, D, A*
- B. *C, D, A, B*
- C. *D, B, C, A*
- D. *D, C, B, A*

81. What order shows the shaded fractions from *least to greatest*?



- A. *A, D, B, C*
- B. *A, B, D, C*
- C. *C, D, B, A*
- D. *C, A, D, B*

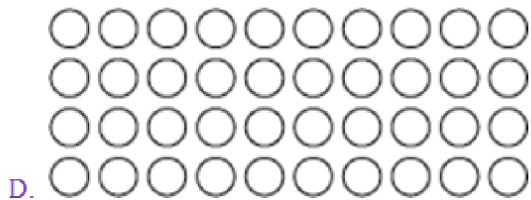
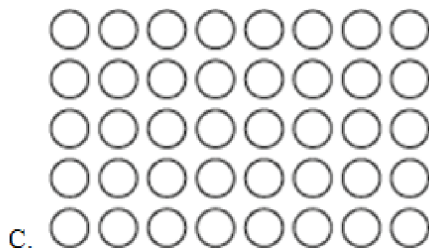
82. Which fraction pictures are equal to each other?



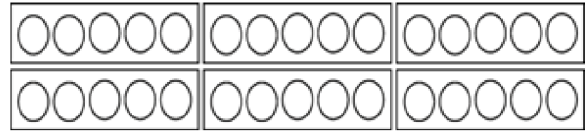
- A. *A and B*
- B. *B and C*
- C. *A and C*
- D. *B and D*

83. Mr. Parker asks his students to interpret the multiplication expression 5×8 using circles.

Which of these is the correct?



84. What number sentence can be represented by the image below?



- A. $6 \times 5 = 30$
 - B. $6 + 5 = 11$
 - C. $10 \times 3 = 30$
 - D. $10 + 3 = 13$
85. Ryan made 7 rows of blocks, with each row containing 9 blocks. Which number sentence can be used to find the total number of blocks?

- A. $7 + 9 = 16$
- B. $9 + 9 = 18$
- C. $7 \times 9 = 63$
- D. $9 \times 9 = 81$

86. Juanita sold 7 baskets of peaches at the produce market. Each basket had 11 peaches in it.

How many total peaches did Juanita sell at the produce market?

- A. 19 peaches
- B. 72 peaches
- C. 77 peaches
- D. 96 peaches

87. Jaime bought 5 packs of hotdogs for his Nature Club's cookout. There are 12 hotdogs in a pack.

How many hotdogs did Jaime buy?

- A. 72 hotdogs
- B. 60 hotdogs
- C. 48 hotdogs
- D. 36 hotdogs

88. Ben has 28 photographs he would like to put into an album.

Which is one way Ben can arrange the photographs in his album and have the same number of photographs on each page?

- A. 4 pages with 6 photographs
- B. 7 pages with 4 photographs
- C. 3 pages with 8 photographs
- D. 5 pages with 7 photographs

89. What is the product?

$$9 \times 12$$

- A. 102
- B. 108
- C. 110
- D. 111

90. Which situation represents the multiplication problem $8 \times 4 = 32$?

- A. Jim bought 8 red markers and 4 blue markers. How many total markers does he have?
- B. Elizabeth made 8 gallons of lemonade for a party, and 4 gallons were drunk at the party. How many gallons of lemonade does she have left?
- C. Malik had 8 cupcakes and divided them evenly among four friends. How many cupcakes did each friend receive?
- D. Olivia went on an 8-day vacation and took 4 photographs each day. How many photographs did she take?

91. A number is missing from this pattern.

7, 14, 21, [],

What number goes in the [] to complete the pattern?

- A. 28
- B. 27
- C. 26
- D. 25

92. What is the product of 12 and 12

- A. 72
- B. 124
- C. 142
- D. 144

93. What number replaces the triangle to make a true statement?

$$5 \times \triangle = 20$$

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

94. Karen made 6 batches of 12 cookies for her classroom bake sell.

How many total cookies did Karen make?

- A. 84 cookies
- B. 72 cookies
- C. 60 cookies
- D. 18 cookies

95. There are three times as many students from North Carolina in Ms. Taylor's class as there are students from other states.

If there are 5 students from other states, how many students are there in Ms. Taylor's class altogether?

- A. 15
- B. 20
- C. 25
- D. 30

96. What is the value of the triangle?

$$11 \times 12 = \triangle$$

- A. 23
- B. 122
- C. 131
- D. 132

97. What is the value of the triangle?

$$12 \times 5 = \triangle$$

- A. 250
- B. 125
- C. 60
- D. 27

98. What is the value of the triangle?

$$\triangle \div 11 = 9$$

- A. 90
- B. 91
- C. 97
- D. 99

99. Which number goes in the triangle to make this statement true?

$$36 \div \triangle = 6$$

- A. 7
- B. 6
- C. 5
- D. 4
100. The array shows a number fact. Which number fact is in the same fact family?



- A. $7 \times 4 = 28$
- B. $6 \times 5 = 30$
- C. $4 \times 5 = 20$
- D. $4 \times 4 = 16$

#	Answer	Objective	#	Answer	Objective
1.	B	Obj : 3.NBT.2. Fluently add and subtract within 1000 u...	50.	D	Obj : 3.NF.1. Understand a fraction $1/b$ as the quanti...
2.	D	Obj : 3.NBT.2. Fluently add and subtract within 1000 u...	51.	A	Obj : 3.NF.1. Understand a fraction $1/b$ as the quanti...
3.	A	Obj : 3.NBT.2. Fluently add and subtract within 1000 u...	52.	D	Obj : 3.NF.1. Understand a fraction $1/b$ as the quanti...
4.	A	Obj : 3.NBT.2. Fluently add and subtract within 1000 u...	53.	B	Obj : 3.NF.1. Understand a fraction $1/b$ as the quanti...
5.	D	Obj : 3.NBT.2. Fluently add and subtract within 1000 u...	54.	D	Obj : 3.NF.1. Understand a fraction $1/b$ as the quanti... Obj : 3.NF.2. Understand a fraction as a number on th...
6.	C	Obj : 3.NBT.2. Fluently add and subtract within 1000 u... Obj : 3.OA.5. Apply properties of operations as strat... Obj : 3.OA.9. Identify arithmetic patterns (including...	55.	A	Obj : 3.NF.1. Understand a fraction $1/b$ as the quanti...
7.	C	Obj : 99.99. Unaligned Objective... Obj : 3.NBT.2. Fluently add and subtract within 1000 u...	56.	C	Obj : 3.NF.1. Understand a fraction $1/b$ as the quanti...
8.	C	Obj : 3.NBT.2. Fluently add and subtract within 1000 u...	57.	A	Obj : 3.NF.2. Understand a fraction as a number on th...
9.	B	Obj : 3.NBT.2. Fluently add and subtract within 1000 u...	58.	A	Obj : 3.NF.2. Understand a fraction as a number on th...
10.	B	Obj : 3.NBT.2. Fluently add and subtract within 1000 u...	59.	B	Obj : 3.NF.2. Understand a fraction as a number on th...
11.	D	Obj : 3.NBT.2. Fluently add and subtract within 1000 u...	60.	C	Obj : 3.NF.2. Understand a fraction as a number on th...
12.	A	Obj : 3.NBT.2. Fluently add and subtract within 1000 u...	61.	B	Obj : 3.NF.2. Understand a fraction as a number on th...
13.	A	Obj : 3.NBT.2. Fluently add and subtract within 1000 u...	62.	A	Obj : 3.NF.2. Understand a fraction as a number on th...
14.	D	Obj : 3.NBT.2. Fluently add and subtract within 1000 u...	63.	C	Obj : 3.NF.2. Understand a fraction as a number on th...
15.	C	Obj : 3.NBT.2. Fluently add and subtract within 1000 u...	64.	C	Obj : 3.NF.2. Understand a fraction as a number on th...
16.	C	Obj : 3.NBT.2. Fluently add and subtract within 1000 u...	65.	B	Obj : 3.NF.3. Explain equivalence of fractions in spe...
17.	D	Obj : 3.NBT.2. Fluently add and subtract within 1000 u...	66.	D	Obj : 3.NF.3. Explain equivalence of fractions in spe...
18.	B	Obj : 3.OA.4. Determine the unknown whole number in a... Obj : 3.NBT.2. Fluently add and subtract within 1000 u... Obj : 3.OA.4. Determine the unknown whole number in a...	67.	A	Obj : 3.NF.3. Explain equivalence of fractions in spe...
19.	A	Obj : 3.NBT.2. Fluently add and subtract within 1000 u... Obj : 3.OA.4. Determine the unknown whole number in a...	68.	B	Obj : 3.NF.3. Explain equivalence of fractions in spe...
20.	B	Obj : 3.NBT.3. Multiply one-digit whole numbers by mul...	69.	B	Obj : 3.NF.3. Explain equivalence of fractions in spe...
21.	C	Obj : 3.NBT.3. Multiply one-digit whole numbers by mul...	70.	D	Obj : 3.NF.3. Explain equivalence of fractions in spe...
22.	B	Obj : 3.NBT.3. Multiply one-digit whole numbers by mul...	71.	A	Obj : 3.NF.3. Explain equivalence of fractions in spe...
23.	C	Obj : 3.NBT.3. Multiply one-digit whole numbers by mul...	72.	C	Obj : 3.NF.3. Explain equivalence of fractions in spe...
24.	C	Obj : 3.NBT.3. Multiply one-digit whole numbers by mul...	73.	A	Obj : 3.NF.3. Explain equivalence of fractions in spe...
25.	D	Obj : 3.NBT.3. Multiply one-digit whole numbers by mul...	74.	B	Obj : 3.NF.3. Explain equivalence of fractions in spe...
26.	A	Obj : 3.NBT.3. Multiply one-digit whole numbers by mul...	75.	C	Obj : 3.NF.3. Explain equivalence of fractions in spe...
			76.	B	Obj : 3.NF.3. Explain equivalence of fractions in spe...
			77.	B	Obj : 3.NF.3. Explain equivalence of fractions in spe...
			78.	C	Obj : 3.NF.3. Explain equivalence of fractions in spe...
			79.	B	Obj : 3.NF.3. Explain equivalence of fractions in spe...
			80.	A	Obj : 3.NF.3. Explain equivalence of fractions in spe...
			81.	A	Obj : 3.NF.3. Explain equivalence of fractions in spe...
			82.	C	Obj : 3.NF.3. Explain equivalence of fractions in spe...
			83.	C	Obj : 3.OA.1. Interpret products of whole numbers, e...
			84.	A	Obj : 3.OA.1. Interpret products of whole numbers, e...
			85.	C	Obj : 3.OA.1. Interpret products of whole numbers, e...
			86.	C	Obj : 3.OA.1. Interpret products of whole numbers, e...
			87.	B	Obj : 3.OA.1. Interpret products of whole numbers, e...
			88.	B	Obj : 3.OA.1. Interpret products of whole numbers, e...
			89.	B	Obj : 3.OA.1. Interpret products of whole numbers, e...
			90.	D	Obj : 3.OA.1. Interpret products of whole numbers, e...
			91.	A	Obj : 3.OA.1. Interpret products of whole numbers, e...
			92.	D	Obj : 3.OA.1. Interpret products of whole numbers, e...
			93.	B	Obj : 3.OA.1. Interpret products of whole numbers, e... Obj : 3.OA.4. Determine the unknown whole number in a...
			94.	B	Obj : 3.OA.1. Interpret products of whole numbers, e...
			95.	B	Obj : 3.OA.1. Interpret products of whole numbers, e...
			96.	D	Obj : 3.OA.1. Interpret products of whole numbers, e... Obj : 3.OA.4. Determine the unknown whole number in a...

- | | | | | | |
|-----|---|--|------|---|--|
| 45. | C | Obj : 3.NF.1. Understand a fraction $1/b$ as the quanti... | 97. | C | Obj : 3.OA.1. Interpret products of whole numbers, e.... |
| 46. | C | Obj : 3.NF.1. Understand a fraction $1/b$ as the quanti... | 97. | C | Obj : 3.OA.4. Determine the unknown whole number in a... |
| 46. | C | Obj : 3.NF.3. Explain equivalence of fractions in spe... | 98. | D | Obj : 3.OA.1. Interpret products of whole numbers, e.... |
| 47. | B | Obj : 3.NF.1. Understand a fraction $1/b$ as the quanti... | 98. | D | Obj : 3.OA.4. Determine the unknown whole number in a... |
| 48. | D | Obj : 3.NF.1. Understand a fraction $1/b$ as the quanti... | 99. | B | Obj : 3.OA.1. Interpret products of whole numbers, e.... |
| 48. | D | Obj : 3.NF.3. Explain equivalence of fractions in spe... | 99. | B | Obj : 3.OA.4. Determine the unknown whole number in a... |
| 49. | C | Obj : 3.NF.1. Understand a fraction $1/b$ as the quanti... | 100. | D | Obj : 3.OA.1. Interpret products of whole numbers, e.... |

Objectives Measured:	Items	Questions measuring this objective
Obj : 99.99. Unaligned Objective...	1	7
Obj : 3.NBT.2. Fluently add and subtract within 1000 u...	19	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
Obj : 3.NF.1. Understand a fraction $\frac{1}{b}$ as the quanti...	21	36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56
Obj : 3.OA.1. Interpret products of whole numbers, e....	18	83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100
Obj : 3.OA.4. Determine the unknown whole number in a...	8	17, 18, 19, 93, 96, 97, 98, 99
Obj : 3.OA.5. Apply properties of operations as strat...	1	6
Obj : 3.OA.9. Identify arithmetic patterns (including...	1	6
Obj : 3.NBT.3. Multiply one-digit whole numbers by mul...	16	20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35
Obj : 3.NF.2. Understand a fraction as a number on th...	9	54, 57, 58, 59, 60, 61, 62, 63, 64
Obj : 3.NF.3. Explain equivalence of fractions in spe...	20	46, 48, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82

#	Key	Item ID
1.	B	MC 144698
2.	D	MC 144689
3.	A	MC 146515
4.	A	MC 146513
5.	D	MC 144842
6.	C	MC 144827
7.	C	MC 144826
8.	C	MC 144692
9.	B	MC 144653
10.	B	MC 119766
11.	D	MC 119703
12.	A	MC 119706
13.	A	MC 119683
14.	D	MC 50245
15.	C	MC 50291
16.	C	MC 50282
17.	D	MC 34689
18.	B	MC 37192
19.	A	MC 37040
20.	B	MC 144872
21.	C	MC 146520
22.	B	MC 146519
23.	C	MC 146518
24.	C	MC 146517
25.	D	MC 144874
26.	A	MC 144873
27.	C	MC 144870
28.	C	MC 144852
29.	C	MC 142768
30.	D	MC 142564
31.	D	MC 142568
32.	D	MC 142719
33.	A	MC 142721
34.	C	MC 32916
35.	C	MC 32917
36.	A	MC 146524
37.	B	MC 146523
38.	B	MC 144778
39.	C	MC 144144
40.	A	MC 142776
41.	B	MC 146521
42.	A	MC 142754
43.	B	MC 142741
44.	B	MC 50251
45.	C	MC 47066
46.	C	MC 47039
47.	B	MC 33113
48.	D	MC 46981
49.	C	MC 34639
50.	D	MC 36973

#	Key	Item ID
51.	A	MC 36974
52.	D	MC 36975
53.	B	MC 37318
54.	D	MC 37319
55.	A	MC 32683
56.	C	MC 32685
57.	A	MC 144260
58.	A	MC 146527
59.	B	MC 146525
60.	C	MC 142774
61.	B	MC 33154
62.	A	MC 33155
63.	C	MC 37209
64.	C	MC 34528
65.	B	MC 144227
66.	D	MC 142777
67.	A	MC 144229
68.	B	MC 144825
69.	B	MC 146529
70.	D	MC 146530
71.	A	MC 142748
72.	C	MC 34524
73.	A	MC 34529
74.	B	MC 34532
75.	C	MC 37532
76.	B	MC 34527
77.	B	MC 32701
78.	C	MC 34650
79.	B	MC 32703
80.	A	MC 34651
81.	A	MC 34652
82.	C	MC 34531
83.	C	MC 146536
84.	A	MC 146535
85.	C	MC 146533
86.	C	MC 144675
87.	B	MC 144678
88.	B	MC 143987
89.	B	MC 37301
90.	D	MC 142735
91.	A	MC 119767
92.	D	MC 37302
93.	B	MC 36997
94.	B	MC 50256
95.	B	MC 50202
96.	D	MC 37030
97.	C	MC 37031
98.	D	MC 37033
99.	B	MC 37035
100.	D	MC 32868