W.S.E.
Rising
Fifth Grade
Math
Packet

Name_____

1. Gino can decorate 9 T-shirts per hour. The pattern below shows the total number of T-shirts he decorates after each of the first 5 hours he works. If the pattern continues, what are the next three numbers?

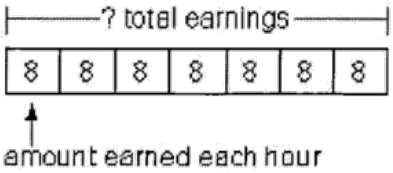
9, 18, 27, 36, 45, ▢, ▢, ▢

A 63, 72, 81
B 63, 64, 72
C 54, 63, 72
D 54, 62, 71

2. If you know that $3 \times 8 = 24$, which division fact do you know?

A $24 \div 12 = 2$
B $3 \div 1 = 3$
C $24 \div 8 = 3$
D $8 \div 2 = 4$

3. Howard works 7 hours each day. He earns $8 per hour. Which number sentence shows the total amount of money he earns in one day?



A $7 + 8 = 15$
B $8 - 7 = 1$
C $7 \times 8 = 56$
D $8 \times 8 = 64$

Name_____

5. Gina wrote the pattern below in her notebook.

300, 280, 260, 240, 220, ...

What is the next number in Gina's pattern?

A 200
B 210
C 220
D 240

6. This table shows the number of people who can fit in different numbers of Ferris wheel cars.

Number of Cars	3	6	9	12
Number of People	24	48	☐	96

How many people can fit into 9 Ferris wheel cars?

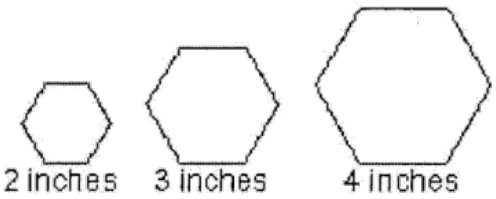
A 64
B 72
C 80
D 84

7. Name the value of the given digits in the number below:the 3s in 3,345

A 300; 30
B 3,000; 300
C 300;3
D 30;3

Name_____

8. Mandy is going to make six-sided figures in different sizes for a mural. Each figure will have sides with equal lengths. She wants to outline each figure with glow tape. How many inches of glow tape will she need for a figure whose sides are 7 inches long?



Inches on One Side	2	3	4	7
Inches of Glow Tape	12	18	24	■

A 28
B 35
C 42
D 49

9. Which number could be written in the box to make the number sentence correct?

10,403 > □

A 10,430
B 10,100
C 10,403
D 14,300

10. Round 232,832 to the nearest ten thousand.

A 220,000
B 230,000
C 240,000
D 300,000

Name_____

11. The chart gives the number of football tickets sold at five colleges in a 10 year period.

FOOTBALL TICKETS SOLD IN 10 YEARS

Team Name	Number of Tickets
Blue Devils	1,232,185
Bull Dogs	1,279,211
Yellow Jackets	1,277,003
Admirals	1,073,929
Eagles	1,004,746

Which of these teams sold fewer tickets than the Admirals?

A Blue Devils
B Bull Dogs
C Admirals
D Eagles

12. Sandwich buns are sold in packages of either 8 or 12 buns. How many ways can Matt buy exactly 48 buns?

A 2
B 3
C 6
D 8

13. Find the product of 50 and 7.

A 3,500
B 350
C 57
D 35

Name_____

14. At the beginning of a cake sale, there were 72 cakes. In the morning, 43 cakes were sold. When the cake sale was over, 17 more cakes had been sold. How many cakes were left when the cake sale was over?Which picture represents the problem?

A

72		
43	17	?

B

?		
72	43	17

C

72	17
43	?

D

72 + ?	
43	17

15. What partial products will help you find the product 5×302?

A 5×3 and 5×2
B 5×30 and 5×2
C 5×300 and 5×2
D 5×30 and 5×20

16. A box of pens holds 144 pens. There are 6 full boxes of pens in the school supply room. Which number sentence shows the best way to use compatible numbers to estimate the total number of pens in the school supply room?

A $6 \times 150 = 900$
B $6 \times 100 = 600$
C $6 \times 200 = 1{,}200$
D $120 \div 6 = 20$

Name_____

17. What are the partial products for 75×8?

A 600 and 40
B 56 and 40
C 560 and 40
D 640 and 40

18. Estimate by rounding to the nearest ten.

73×37

A 2,100
B 2,800
C 210
D 280

19. Find the product of 9 and 207.

A 1,963
B 1,863
C 23
D 216

20. Mark's football team has scored about 21 points each game. They played 12 games this season. What is the best estimate for the total number of points they scored in the season?

A 360
B 200
C 100
D 20

21. Cathy bought 4 rings at $5 a ring and 2 bracelets at $6 a bracelet. Which number sentence can be used to find the total amount Cathy spent on the rings and the bracelets?

A $20 + 12 = \blacksquare$
B $20 \div 10 = \blacksquare$
C $10 + 12 = \blacksquare$
D $5 + 6 = \blacksquare$

Name_____

22. Raul's dad bakes bread 5 days a week. If he bakes 85 loaves each day, how many loaves of bread will his dad bake in two 5-day work weeks?

A 850
B 595
C 425
D 400

23. A bicycle company needs to send 171 bicycles across the country in 4 groups that are as close to the same size as possible. Which is the best estimate for the number of bicycles in each group?

A 4 bicycles
B 30 bicycles
C 40 bicycles
D 50 bicycles

24. It takes 68 days for John's plants to grow three centimeters. About how many weeks is that?

A about 10 weeks
B about 12 weeks
C about 14 weeks
D about 15 weeks

Name_____

25. The Reading Club has 43 members. Mrs. Kingston wants to form groups of 5 to read different types of books. How many groups can be formed? How many members will be left over?

A 7 groups with 6 members left over
B 8 groups with 3 members left over
C 9 groups with 2 members left over
D 10 groups with 1 member left over

26. Divide.

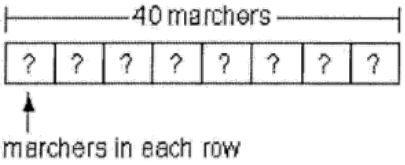
$7\overline{)64}$

A 7 R5
B 8 R1
C 9 R3
D 9 R1

27. Which of these is a story for 6×8?

A Eric has 6 bags with 8 bananas in each bag. How many bananas does he have in all?
B Eric has 6 bags to put 8 bananas into. How many bananas will he put in each bag?
C Eric has 6 bananas in one bag and 8 bananas in the other. How many bananas does he have in all?
D Eric has 8 bananas. He put 6 in one bag. How many bananas does he have left to put in another bag?

28. There are 40 marchers in a band. The marchers are in 8 rows. Each row has the same number of marchers. Which number sentence shows how many marchers are in each row?



A $40 - 8 = 32$
B $40 \times 8 = 320$
C $40 + 8 = 48$
D $40 \div 8 = 5$

29. How many 2s are there in 22?

A 9
B 11
C 12
D 14

30. Sharon has 99 apples. If she can put 9 apples in each bag, how many bags will she need?

A 8
B 9
C 10
D 11

31. Owning stock in a company means owning part of that company. Each part is known as a share. Carol Tucker has 34 shares of stock that she will give to her 3 children. If each child gets the same number of shares, how many shares will each child receive? How many shares will be left over?

A 10 shares with 4 left over
B 11 shares with 1 left over
C 12 shares with none left over
D 11 shares with none left over

Name_____

32. A card store was having a sale. The prices are shown below.

Sales Items			
Greeting Cards	$0.75	Large Candles	$3.50
Wrapping Paper	$2.50	Small Candles	$2.25
Ribbon	$1.25	Music Boxes	$8.75
Picture Frames	$6.00	Books	$4.50

Morgan spent $16.00 at the card store sale. He bought a music box, a picture frame, and 1 other item. What else did he buy?

A Greeting Cards
B Ribbon
C Large Candle
D Small Candle

33. What are all the factors of 16?

A 1, 2, 8, 16
B 1, 2, 4, 8, 16
C 1, 2, 4, 6, 8, 16
D 1, 2, 3, 4, 6, 8, 16

34. Which shows all the factors of 12?

A 4, 5, 6
B 3, 4, 6, 12
C 1, 2, 3, 4, 6, 12
D 3, 4

Name_____

35. Which list contains all prime numbers?

A 19, 28, 29
B 11, 19, 30
C 11, 19, 29
D 11, 15, 29

36. Which is NOT a multiple of 6?

A 12
B 16
C 18
D 30

37. What generalization can be made about all multiples of 4?

A They are all odd
B They are all multiples of 2
C They are all factors of five
D They are both even and odd

38. What is the missing number that makes the fractions equivalent?

$$\frac{4}{8} = \frac{20}{?}$$

A 25
B 36
C 40
D 54

39. This table shows the distance a ball was rolled to the goal by different teammates.

DISTANCES TO THE GOAL

Name	Fraction
Derrick	$\frac{3}{8}$
James	$\frac{1}{8}$
Eric	$\frac{7}{8}$
Ken	$\frac{1}{4}$

Who rolled the ball the closest to the goal?

A Derrick
B James
C Eric
D Ken

40. Monday night Tyrell spent $\frac{2}{6}$ hour on his homework and Eva spent $\frac{5}{6}$ hour on her homework. How much more time did Eva spend on homework than Tyrell?

A $\frac{3}{6}$ hour
B $\frac{2}{6}$ hour
C $\frac{1}{6}$ hour
D $1\frac{1}{6}$ hours

Name_____

41. Kanya took a survey about favorite sports. The following table gives the result in fractions.

FAVORITE SPORTS

Sport	Fraction
Football	$\frac{5}{16}$
Basketball	$\frac{1}{4}$
Soccer	$\frac{3}{8}$
Track	$\frac{1}{16}$

Which sport was the favorite among those surveyed?

A Football
B Basketball
C Soccer
D Track

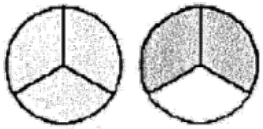
42. At home, Tommy played his guitar and saxaphone. He spent 12 minutes on the guitar and twice as long on the saxaphone. Which expression can be used to find how much time he spent on the instruments?

A $12 - (2 \times 12)$
B $12 + (2 \times 12)$
C $(12 + 2) - 12$
D $(12 - 2) \times 12$

43. Which improper fraction does NOT equal a whole number?

A $\frac{12}{2}$
B $\frac{18}{3}$
C $\frac{24}{4}$
D $\frac{36}{5}$

44. Ken ate $\frac{5}{3}$ containers of yogurt. What is $\frac{5}{3}$ expressed as a mixed number?



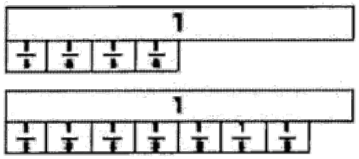
A $5\frac{1}{3}$

B $2\frac{3}{5}$

C $1\frac{2}{3}$

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

45. Mike needs $1\frac{4}{8}$ cups of flour to make a cake and $1\frac{7}{8}$ cups of flour to make a piecrust. How much flour does Mike need to bake the cake and piecrust? Use this model to find the sum.



A $1\frac{3}{8}$ cups

B 2 cups

C $2\frac{8}{10}$ cups

D $3\frac{3}{8}$ cups

Name_____

46. Which is a way to show $\frac{3}{6}$?

A $\frac{1}{6} + \frac{1}{6} + \frac{1}{6}$

B $\frac{3}{6} + \frac{1}{6}$

C $\frac{5}{6} + \frac{1}{6}$

D $\frac{6}{6} + \frac{6}{6} + \frac{6}{6}$

47. Kendra is doing her math homework. For each problem, she uses $\frac{1}{2}$ of a sheet of paper. How many sheets of paper will she need to complete 10 problems?

A 20 sheets

B $10\frac{1}{2}$ sheets

C 8 sheets

D 5 sheets

48. Which decimal is equivalent to $\frac{9}{20}$?

A 0.9

B 0.45

C 0.18

D 0.35

49. Which decimal is equivalent to $\frac{4}{20}$?

A 0.8

B 0.20

C 0.12

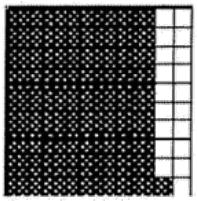
D 0.25

Name_____

50. A meteorologist reported that 2.5 inches of snow fell last night. What is the value of the 5 in 2.5?

A five ones
B five hundredths
C five tens
D five tenths

51. What decimal is shown in the grid below?



A 81.0
B 8.1
C 0.081
D 0.81

52. Order the decimals from least to greatest.

8.39, 8.43, 8.4

A 8.4, 8.39, 8.43
B 8.43, 8.39, 8.4
C 8.4, 8.43, 8.39
D 8.39, 8.4, 8.43

53. A packet of spices contains 0.52 ounces of garlic powder, 0.36 ounces of salt, 0.6 ounces of red pepper flakes, and 0.25 ounces of oregano. Which spice does the packet have the most of?

A Garlic powder
B Salt
C Red pepper flakes
D Oregano

Name_____

54. How many pints are there in 2 gallons?

A 16 pt
B 32 pt
C 4 pt
D 8 pt

55. How many quarts are there in 24 pints?

A 12 qt
B 8 qt
C 6 qt
D 4 qt

56. Three brothers individually measured the capacity of the same water pitcher. Which brother do you think measured incorrectly? Why?

Brother	Measurement
Claude	15 quarts
David	5 pints
Elton	10 cups

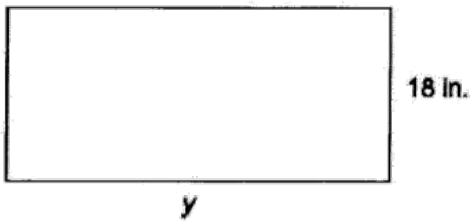
A Claude, because the other brothers' measurements are the same.
B David, because the other brothers' measurements are the same.
C Elton, because the other brothers' measurements are the same.
D All the measurements are the same, so they are all correct or all incorrect.

Name_____

57. How many milliliters are there in 250 liters?

A 25 mL
B 2.5 mL
C 250,000 mL
D 0.25 mL

58. What is the missing dimension for *y*?



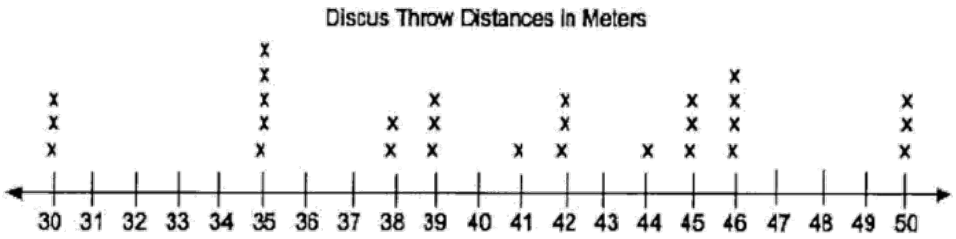
perimeter = 86 in.

A 18 in.
B 25 in.
C 55 in.
D 68 in.

59. Oliver used a $10 bill to pay for a comic book. He received $5.72 in change. How much did the comic book cost?

A $6.08
B $5.28
C $4.38
D $4.28

60. The line plot below shows the distances of discus throws in a contest. What was the most common throw?



A 35 meters
B 39 meters
C 46 meters
D 50 meters

Name_____

61. What type of angle is formed by the hands on the clock?

A acute
B straight
C obtuse
D right

62. What type of angle is shown?

A acute
B right
C straight
D obtuse

63. Remy wanted to measure the angle of the slide in the playground. He used a piece of folded paper that was 10°. He measured that 3 of the folded paper angles would fit in the angle made by the slide. What was the angle of the slide?

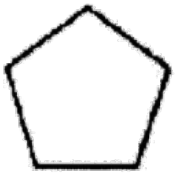
A 75°
B 60°
C 45°
D 30°

64. Which quadrilateral always has exactly one pair of parallel sides?

A square
B trapezoid
C parallelogram
D rhombus

Name_____

65. How many lines of symmetry does the figure have?

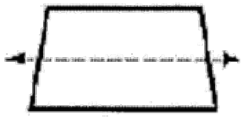


A 3
B 5
C 1
D 4

66. Which dotted line is a line of symmetry?

A 

B 

C 

D 

Name_____

Mark the best answer.

1. Which of the following is another way to write the number 11,040?

   A One thousand, one hundred forty

   B One thousand, forty

   C Eleven thousand, forty

   D Eleven thousand, four hundred

2. Which statement is true?

   A 510,080 > 510,000

   B 510,800 < 510,008

   C 510,080 > 510,800

   D 510,008 < 510,000

3. What is 143,479 rounded to the nearest thousand?

   A 140,000

   B 143,000

   C 143,080

   D 143,500

4. In September, a group of fifth graders read 2,866 pages. In October, they read 3,154 pages. How many pages did they read in all?

   A 6,000

   B 6,010

   C 6,020

   D 6,920

5. Doug had 6,000 seeds. He planted 3,670. How many seeds does he have left?

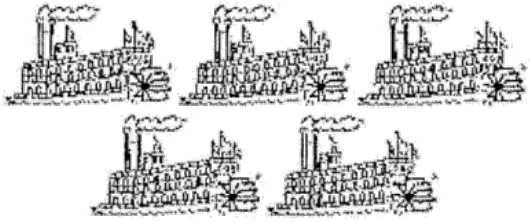
   A 2,430

   B 2,330

   C 1,820

   D 1,720

6. Each boat has 9 cabins.



   If Raul counted the cabins in groups of 9, which list shows numbers he could have named?

   A 15, 20, 25, 30

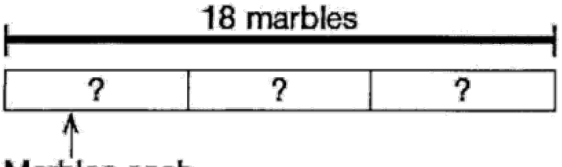
   B 18, 36, 48, 63

   C 28, 35, 42, 48

   D 18, 27, 36, 45

Name_____

7. Three friends have 18 marbles to share equally. How many marbles will each friend get?



A 9
B 8
C 7
D 6

8. Tina has a garden. Tomato plants are in six-eighths of her garden. What fraction is equivalent to $\frac{6}{8}$?

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

9. Part of the calculation for 23×4 is shown below. What partial product should replace □□?

A 8
B 12
C 18
D 27

$$\begin{array}{r} 23 \\ \times\ 4 \\ \hline \square\square \\ +80 \\ \hline 92 \end{array}$$

10. A store sold 316 phones in a week. At this rate, how many phones would the store sell in 3 weeks?

A 976
B 956
C 948
D 938

11. A soccer team played 8 games. The same number of people came to each game. If a total of 2,400 people attended the 8 games, how many people came to each game?

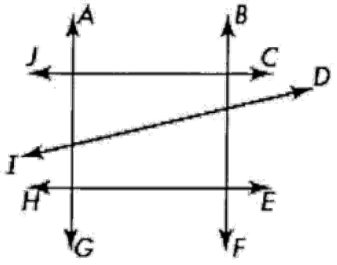
A 3
B 30
C 300
D 3,000

12. Which statement is true?

A The only factors of 6 are 6 and 1.
B The only factors of 7 are 7 and 1.
C The only factors of 8 are 8 and 1.
D The only factors of 9 are 9 and 1.

Name_____

13. Which line is parallel to $\overline{JC}$?



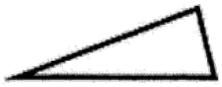
A $\overleftrightarrow{ID}$
B $\overleftrightarrow{HE}$
C $\overleftrightarrow{AG}$
D $\overleftrightarrow{BF}$

14. What is the missing number in the table?

x	12	26	30	36
y	8	22	26	?

A 33
B 32
C 31
D 30

15. Which geometric terms best describe the triangle?



A Isosceles, obtuse
B Isosceles, right
C Equilateral, obtuse
D Scalene, acute

16. Which of the following is NOT a quadrilateral?

A square
B rhombus
C pentagon
D trapezoid

17. Kerry used 12 yards of fabric for a project. How many feet did she use?

A 3 feet
B 4 feet
C 36 feet
D 48 feet

18. Ken ate $\frac{5}{3}$ containers of yogurt. What is this number written as a mixed number?

$\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$

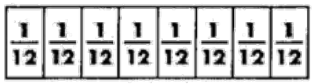
A $2\frac{2}{3}$
B $2\frac{3}{5}$
C $1\frac{2}{3}$
D $1\frac{1}{3}$

Name_____

19. Which fraction represents the smallest part of a whole?

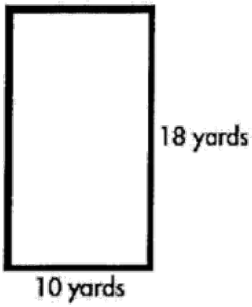
A $\frac{1}{2}$
B $\frac{1}{9}$
C $\frac{1}{3}$
D $\frac{1}{5}$

20. What is $\frac{8}{12}$ in simplest form?



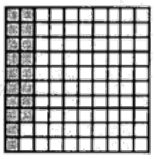
A $\frac{1}{8}$
B $\frac{2}{3}$
C $\frac{3}{4}$
D $\frac{4}{3}$

21. The measurements of a fence Mr. Walling built are shown below. What is the perimeter of the fence?



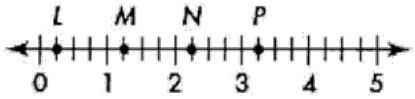
A 180 yards
B 56 yards
C 28 yards
D 8 yards

22. What decimal does the model represent?



A 0.08
B 0.18
C 0.28
D 0.81

23. Kyle jumped $3\frac{1}{4}$ feet. Which point on the number line best represents the point where Kyle landed?



A *L*
B *M*
C *N*
D *P*

24. Steve's model train has a mass of 5 kg. How many grams is 5 kg?

A 50 g
B 500 g
C 1,000 g
D 5,000 g