Name: _____ Date: _____

Multiplying Decimals Word Problems

Identify the choice that best completes the statement or answers the question.

1) Benjamin bought 12 goldfish. Each goldfish cost $0.98. How much did Benjamin spend?

A. $10.66

B. $11.76

C. $12.15

D. $14.92

2) What is the product of 96.5 x 2.54?

A. 93.96

B. 236.425

C. 245.11

D. 311.625

5. Which number is the product of 12.22 x 15.38?

A. 3.16

B. 27.60

C. 187.9436

D. 208.3489

6. The book store is having a sale on bookmarks. Each bookmark is on sale for $0.84. Each student in Ms. Duke's class decides to buy a bookmark. There are 23 students in Ms. Duke's class. How much will the class spend on bookmarks at the book store?

A. $5.56

B. $15.34

C. $19.32

D. $21.01

7. Ten members of the Science Club went to a history museum. It cost $7.25 for each member of the club. If 90 members went to the museum, how much would the total cost be?

A. $65.50

B. $652.50

C. $675

D. $6,520.25

8. Joe pays $1.63 for a cappucino on days he's running late to work. One week he was late on Tuesday, Thursday, and Friday. How much did he spend on cappucinos that week?

A. $1.63

B. $3.26

C. $3.89

D. $4.89

9. Kathy earns $6.50 per hour at her baby-sitting job. On Sunday she worked 7 hours. What were her total earnings for the day?

A. $35.00

B. $39.00

C. $45.50

D. $450.50

10. Georgia Perimeter College has about 20,000 students. Gainesville College has 0.2 as many students. How many students does Gainesville College have?

A. 400 students

B. 4,000 students

C. 5,000 students

D. 40,000 students

11. A tissue box is 12.02 centimeters in width. What is the total width of 13 tissue boxes on a shelf?

A. 156.26 centimeters

B. 160.00 centimeters

C. 166.26 centimeters

D. 168.28 centimeters

12. What is the Product of 0.04 x 0.08?

A. 32

B. 0.32

C. 0.032

D. 0.0032

13. Dave pays $1.75 for a school lunch on days when he doesn't bring his own lunch to school. One week he bought a school lunch on Monday, Wednesday, Thursday, and Friday. How much did he spend on school lunches that week?

A. $5.00

B. $6.00

C. $6.80

D. $7.00

14. Karley earns $8.40 per hour at her part-time job. On Saturday she worked 5 hours. What were her total earnings for the day?

A. $40.00

B. $40.20

C. $42.00

D. $420.00

15. Runway 8R/26L, at Hartsfield Atlanta International Airport, is 10,000 feet long. Runway 9R/27L is 0.9 feet as long as runway 8R/26L. How long is runway 9R/27L?

A. 900 feet

B. 9,000 feet

C. 10,000 feet

D. 90,000 feet

16. A math book is 3.78 centimeters thick. What is the total width of 21 math books on a shelf?

A. 21.78 centimeters

B. 24.78 centimeters

C. 75.60 centimeters

D. 79.38 centimeters

17. What is the product of 0.03 x 0.09?

A. 27

B. 0.27

C. 0.027

D. 0.0027

18. During 2002, Rachel ran 6 cross-country races. The total distance she ran was 19.2 miles. Each race was the same distance. How many miles did she run in each race?

A. 2.2 miles

B. 2.8 miles

C. 3.0 miles

D. 3.2 miles

19. Multiply two decimal numbers that are less than 1, such as 0.5 and 0.3. Which of the following statement is TRUE about the product?

A. The product is always greater than 1.

B. The product is in between the two factors.

C. The product is less than either of the factors.

D. The product is greater than either of the factors.

20. Mrs. Davis planted red flowers in 0.6 of her garden. She also planted yellow flowers in 0.4 of her garden. In 0.5 of the part with red flowers she also planted white flowers. What part of Mrs. Davis' garden has both red and white flowers?

A. 0.1

B. 0.2

C. 0.3

D. 0.9

21. Bradley bought 14 yellow highlighters. Each highlighter cost $0.94. How much did Bradley spend?

A. $12.89

B. $13.06

C. $13.16

D. $14.94

22. What is the product of 14.33×2.92 ?

A. 11.41

B. 17.25

C. 35.6258

D. 41.8436

23. What is the value of 8.3×0.7 ?

A. 0.581

B. 5.81

C. 58.1

D. 581

24. Which number is the product of 13.36×18.42 ?

A. 5.06

B. 31.78

C. 128.0336

D. 246.0912

25. Gail pays $0.06 sales tax on each dollar she spends. If she buys a new bike for $137.00, how much sales tax will Gail pay?

A. $8.22

B. $18.00

C. $82.20

D. $145.22

26. Which of the following numbers is the value of 0.35×0.22 ?

A. 0.0077

B. 0.057

C. 0.077

D. 0.13

27. It costs $8.65 to ride the train. Ms. Reilly took her fifth-grade class on the train to the museum. There were 18 students from Ms. Reilly's class that went to the museum. How much did Ms. Reilly's class spend on the class and herself for the train?

A. $0.45

B. $86.50

C. $155.70

D. $164.35

28. Which is the value of 0.215×0.358 ?

A. 0.07697

B. 0.7697

C. 7.697

D. 76.97

29. William wants to buy 4 pens and 2 notebooks.

Price List			
Item	Store A	Store B	Store C
Pen	$1.15	$1.25	$1.10
Pencil	$0.39	$0.27	$0.36
Notebook	$1.69	$1.59	$1.85

At which store would the 4 pens and 2 notebooks cost less?

A. Store A

B. Store B

C. Store C

D. They cost the same at all stores.

30. The Neville family subscribes to satellite TV. The subscription is for 12 months and costs $915.84. How much does the Neville family spend each month on their satellite TV subscription?

A. $76.32

B. $152.64

C. $228.96

D. $457.92

31. Courtney save $6.18 each week. How much will Courtney have saved after 14 weeks?

A. $0.44

B. $74.16

C. $86.52

D. $92.48

32. An art teacher spent $15.62 for red paint. He spent 3 times as much for blue paint. How much did he spend for blue paint?

A. $15.62

B. $31.24

C. $42.52

D. $46.86

33. Ellen jogs 2.45 miles each day. In the month of July she jogged 26 days. How far did Ellen jog in the month of July?

A. 10.61 miles

B. 63.7 miles

C. 75.95 miles

D. 92.86 miles

34. Joel went to the $1.99 store. He purchased 6 items. How much did Joel spend?

A. $5.94

B. $11.94

C. $17.94

D. $22.94

35. Which is the value of 0.635×0.337 ?

A. 0.00313

B. 0.00972

C. 0.213995

D. 2.14

36. Kim went to a restaurant every Sunday in March and April. Each month had 4 Sundays. Each time she spent $4.85 for a hamburger and a soda. How much did Kim spend in these two months?

A. $4.85

B. $9.70

C. $19.40

D. $38.80

37. Daniel ran around a 0.75-mi track 6 times. How far did Daniel run?

A. 0.45 miles

B. 4.5 miles

C. 6.75 miles

D. 9 miles

38. What is the value of 0.58×0.68 ?

A. 1.26

B. 0.003944

C. 0.03944

D. 0.3944

39. Paul used his calling card to make a long distance phone call. The first 12 minutes cost $2.20. Each minute after that costs $0.35. Paul talked for 33 minutes. How much did his call cost?

A. $7.35

B. $8.65

C. $9.55

D. $11.55

40. Richard bought 32.4 pounds of potting soil and 45.6 pounds of sand. Both are normally $1 per pound. Richard got them on sales for $0.86 per pound. How much did he spend?

A. $78.20

B. $67.08

C. $39.39

D. $32.40

41. Jonathan wrote the expression 13.6 x 18.33 . How many decimal places will be in the answer?

A. 1

B. 2

C. 3

D. 4

42. What is the product of 16.36 x 8.62 ?

A. 14.10232

B. 141.0232

C. 1,410.232

D. 14,102.32

43. Jacqueline bought juice boxes to give to her softball team. The juice boxes cost $0.81 each and she bought 21 boxes. How much did Jacqueline pay for the juice boxes?

A. $1.17

B. $1.70

C. $7.01

D. $170.10

44. How many decimal places will there be in the product of
16.22 x 18.56 ?

A. 1

B. 2

C. 3

D. 4

45. What is the product of 0.04 x 0.006?

A. 0.00024

B. 0.0024

C. 0.024

D. 0.24

46. Henrietta bought 23.6 pounds of apples for the apple festival. Each pound cost $1.45. How much did Henrietta spend in total on the apples?

A. $33.87

B. $34.22

C. $35.40

D. $39.15

47. Marsha bought 6 turtles that cost $10.87 each. How much did Marsha spend on the turtles?

A. $10.87

B. $16.87

C. $54.35

D. $65.22

48. What is the product of 0.06 x 0.08?

A. 0.0048

B. 0.048

C. 0.48

D. 4.8

49. Stacy gets $7.50 per hour for babysitting. Bethany earns 3 times as much money per hour for her dog walking business. How much does Bethany earn each month for her dog walking?

A. $2.25

B. $2.50

C. $22.50

D. $225.00

50. Stacy gets $7.50 per hour for babysitting. Bethany earns 3 times as much money per hour for her dog walking business. How much does Bethany earn each month for her dog walking?

A. $2.25

B. $2.50

C. $22.50

D. $225.00

51. Which product will have 2 decimal places?

A. 16.5×3.85

B. 1.08×3.865

C. 32.4×13.3

D. 4.32×6.33

52. Cindy made a banner for the football game that was 12 feet long. Betsy made a banner that was 0.66 times as long as Cindy's banner. How long was Betsy's banner?

A. 6.6 feet

B. 7.2 feet

C. 7.92 feet

D. 8.4 feet

53. Which shows the product of 18.42 x 3.54 ?

A. 65.2068

B. 652.068

C. 6,520.68

D. 65,206.8

54. What is the product of 0.42 x 0.6?

A. 0.252

B. 0.3

C. 2.52

D. 25.2

55. Coach Kilroy bought ribbon to make medals for the soccer team. The ribbon cost $0.67 per foot and he bought 16 feet. How much did Coach Kilroy pay for the ribbon?

A. $1.07

B. $1.72

C. $10.72

D. $107.20

56. Murray bought 4 magazines that cost $3.95 each. How much did Murray spend on the magazines?

A. $3.95

B. $7.95

C. $15.80

D. $17.80

57. Which product will have 3 decimal places?

A. 13.6×33.72

B. 9.68×13.864

C. 3.9×22.3

D. 11.64×30.66

58. Last week a gallon of gas cost $2.68. Donald put 14.5 gallons of gas in his car. How much did Donald spend on gas?

A. $11.82

B. $38.86

C. $40.50

D. $45.00

59. Which shows the product of 0.06 x 0.005 ?

A. 0.30

B. 0.03

C. 0.003

D. 0.0003

60. Howard bought 16.5 pounds of hamburger for the barbeque. Each pound cost $2.36. How much did Howard spend in total on the hamburger?

A. $18.86

B. $38.94

C. $40.12

D. $51.00

61. Which shows the product of .08 x .05 ?

A. 0.0004

B. 0.004

C. 0.04

D. 0.4

62. Which shows the product of 0.65 x 0.5 ?

A. 0.325

B. 0.3

C. 3.25

D. 32.5

63. Suzanna gets $8.50 a week for doing her chores. Brianna earns 10 times as much money per month for mowing lawns. How much does Brianna earn each month for mowing lawns?

A. $85.00

B. $850.00

C. $8,500.00

D. $85,000.00

64. Which shows the product of 11.4 x 0.62 ?

A. 0.07068

B. 0.7068

C. 5.2

D. 7.068

65. The Sidney Lanier Bridge in Brunswick, Georgia is 1,250 feet long. The Talmadge Memorial Bridge in Savannah, Georgia is 0.88 as long as the Sidney Lanier Bridge. How long is the Talmadge Memorial Bridge?

A. 1,000 feet

B. 1,100 feet

C. 1,162 feet

D. 1,338 feet

M5N3c multiplication
Answer Section

MULTIPLE CHOICE

1.	ANS: B	PTS: 1	STA:	M5N3.c. I
2.	ANS: B	PTS: 1	STA:	M5N3.c. I
3.	ANS: B	PTS: 1	STA:	M5N3.c. I
4.	ANS: C	PTS: 1	STA:	M5N3.c. I
5.	ANS: C	PTS: 1	STA:	M5N3.c. I
6.	ANS: C	PTS: 1	STA:	M5N3.c. I
7.	ANS: B	PTS: 1	STA:	M5N3.c. I
8.	ANS: D	PTS: 1	STA:	M5N3.c. I
9.	ANS: C	PTS: 1	STA:	M5N3.c. I
10.	ANS: B	PTS: 1	STA:	M5N3.c. I
11.	ANS: A	PTS: 1	STA:	M5N3.c. I
12.	ANS: D	PTS: 1	STA:	M5N3.c. I
13.	ANS: D	PTS: 1	STA:	M5N3.c. I
14.	ANS: C	PTS: 1	STA:	M5N3.c. I
15.	ANS: B	PTS: 1	STA:	M5N3.c. I
16.	ANS: D	PTS: 1	STA:	M5N3.c. I
17.	ANS: D	PTS: 1	STA:	M5N3.c. I
18.	ANS: D	PTS: 1	STA:	M5N3.c. I
19.	ANS: C	PTS: 1	STA:	M5N3.c. I
20.	ANS: C	PTS: 1	STA:	M5N3.c. I
21.	ANS: C	PTS: 1	STA:	M5N3.c. I
22.	ANS: D	PTS: 1	STA:	M5N3.c. I
23.	ANS: B	PTS: 1	STA:	M5N3.c.
24.	ANS: D	PTS: 1	STA:	M5N3.c. I
25.	ANS: A	PTS: 1	STA:	M5N3.c. I
26.	ANS: C	PTS: 1	STA:	M5N3.c. I
27.	ANS: D	PTS: 1	STA:	M5N3.c. I
28.	ANS: A	PTS: 1	STA:	M5N3.c. I
29.	ANS: A	PTS: 1	STA:	M5N3.c. I
30.	ANS: A	PTS: 1	STA:	M5N3.c. I
31.	ANS: C	PTS: 1	STA:	M5N3.c. I
32.	ANS: D	PTS: 1	STA:	M5N3.c. I
33.	ANS: B	PTS: 1	STA:	M5N3.c. I
34.	ANS: B	PTS: 1	STA:	M5N3.c. I
35.	ANS: C	PTS: 1	STA:	M5N3.c. I
36.	ANS: D	PTS: 1	STA:	M5N3.c. I
37.	ANS: B	PTS: 1	STA:	M5N3.c. I
38.	ANS: D	PTS: 1	STA:	M5N3.c. I
39.	ANS: C	PTS: 1	STA:	M5N3.c. I
40.	ANS: B	PTS: 1	STA:	M5N3.c. I
41.	ANS: C	PTS: 1	STA:	M5N3.c. I

42. ANS: B PTS: 1 STA: M5N3.c.ı
43. ANS: C PTS: 1 STA: M5N3.c.ı
44. ANS: D PTS: 1 STA: M5N3.c.ı
45. ANS: A PTS: 1 STA: M5N3.c.ı
46. ANS: B PTS: 1 STA: M5N3.c.ı
47. ANS: D PTS: 1 STA: M5N3.c.ı
48. ANS: A PTS: 1 STA: M5N3.c.ı
49. ANS: C PTS: 1 STA: M5N3.c.ı
50. ANS: C PTS: 1 STA: M5N3.c.ı
51. ANS: C PTS: 1 STA: M5N3.c.ı
52. ANS: C PTS: 1 STA: M5N3.c.ı
53. ANS: A PTS: 1 STA: M5N3.c.ı
54. ANS: A PTS: 1 STA: M5N3.c.ı
55. ANS: C PTS: 1 STA: M5N3.c.ı
56. ANS: C PTS: 1 STA: M5N3.c.ı
57. ANS: A PTS: 1 STA: M5N3.c.ı
58. ANS: B PTS: 1 STA: M5N3.c.ı
59. ANS: D PTS: 1 STA: M5N3.c.ı
60. ANS: B PTS: 1 STA: M5N3.c.ı
61. ANS: B PTS: 1 STA: M5N3.c.ı
62. ANS: A PTS: 1 STA: M5N3.c.ı
63. ANS: A PTS: 1 STA: M5N3.c.ı
64. ANS: D PTS: 1 STA: M5N3.c.ı
65. ANS: B PTS: 1 STA: M5N3.c.ı