Math Power

Name: (First)_____(Last)_____

School: _____ Grade:_____

M 3

Math Level 3   Sample

Math Instinct

1. Mom places 13 rows of teacups. Each row has 7 cups. How many cups are there altogether?

2. Debbie has $94 in her purse. One doll costs $15. How many dolls can she buy?

3. A board game has 75 total coins. There are equal number of coins of 3 kinds: gold, silver, and copper. How many coins are there of each kind?

4. Herbert empties 59 marbles from a small box into a big box that already contains 799 marbles. How many marbles are now there in the big box?

5. Brian arranges 62 blocks in a tall stack. Accidentally, he drops 39 blocks. How many blocks are still there in the stack?

6. There are 5 flowers in a bouquet. How many flowers are there in 12 bouquets?

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7. There are 48 flowers in a bunch. Each flower has 5 petals. How many petals are there in the bunch?

11. Dad buys 6 train tickets for $162. How many dollars does each ticket cost?

8. A garland has 81 roses. If 27 roses are white, how many roses are not white in color?

12. The train ticket to Golden Sands costs 4 times that to Mushroom Garden. If the ticket to Golden Sands costs $52, how many dollars is the ticket to Mushroom Garden?

9. How many bunches of 5 can be made from 235 flowers?

13. The bus stop to Beaver Valley is 80 miles from home. If the bus stop to Mushroom Garden is 4 times as far, how many miles is it from home?

10. A florist placed 117 gladioli equally in 9 vases. How many gladioli were placed in each vase?

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14. There are 63 men in Mushroom Garden. The women are 7 times the men. How many women are there in Mushroom Garden?

17. If 144 children in a school are to be assigned evenly to 9 Science projects, how many children should work on each project?

15. Each class in a school has 24 students. If there are 8 classes, how many students are there in the school?

18. Dan wishes to solve 105 problems. If he solves 7 problems a day, how many days will he require?

16. A school picnic costs $6 for each child. If there are 33 children in the class, how many dollars will the teacher collect?

19. For a school day parade, there are 7 rows with 8 boys in each row and 12 rows with 5 girls in each row. How many total students are there in the parade?

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20. A tailor stitches and delivers to his customers 7 shirts everyday. It takes him 2 hours to stitch a shirt. Each shirt uses 6 buttons and has two pockets. How many pockets does the tailor stitch in 20 days?

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Number Puzzles

21. $13 + \rule{2cm}{0.4pt} = 16$

25. $15 + \rule{2cm}{0.4pt} = 20$

26. $16 + \rule{2cm}{0.4pt} = 29$

22. $14 - \rule{2cm}{0.4pt} = 12$

27. $18 + \rule{2cm}{0.4pt} = 54$

23. $14 + \rule{2cm}{0.4pt} = 18$

28. $20 \times \rule{2cm}{0.4pt} = 100$

24. $15 \times \rule{2cm}{0.4pt} = 75$

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29. $20 \times \underline{\hspace{1cm}} = 100$

33. $5 - \underline{\hspace{1cm}} = 3$

30. $21 - \underline{\hspace{1cm}} = 20$

34. $500 - \underline{\hspace{1cm}} = 497$

31. $21 + \underline{\hspace{1cm}} = 27$

35. $51 + \underline{\hspace{1cm}} = 53$

32. $40 \times \underline{\hspace{1cm}} = 80$

36. $7 \times \underline{\hspace{1cm}} = 42$

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$37.7 - \rule{1.5cm}{0.4pt} = 5$

$38.7 + \rule{1.5cm}{0.4pt} = 10$

$39.85 - \rule{1.5cm}{0.4pt} = 80$

$40.9 \times \rule{1.5cm}{0.4pt} = 18$

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Problem Solving

Question set [**41 - 44**]

Birch tree	128 ft
Beech tree	115 ft
Spruce tree	106 ft
Oak tree	119 ft
Pine tree	106 ft
Willow tree	56 ft

41. How many feet tall is the birch tree?

42. How many trees are the same height?

43. How many trees are taller than the beech tree?

44. How many trees are shorter than the spruce tree?

Question set [**45 - 50**]

Ms. Johnson owns a booth at the fish market. Her business goes very well because her fish is fresh and the price is reasonable.

45. Ms. Johnson sold 36 fish. She put the same number of fish into each of 6 bags. How many fish did she put in each bag?

46. There are 23 goldfish in each tank. There are 3 fish tanks. How many goldfish are there all together?

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47. Winnie bought 2 cans of fish food. Each can cost 34¢. How much did she spend in all?

50. The pet store has 42 ounces of fish food. If it uses 6 ounces of food each day, for how many days will the food last?

48. Ms. Johnson got a delivery of 72 large fish. She divided them equally among 9 tanks. How many fish did she put in each tank?

51. Anna is five years younger than her sister. Her sister is 12 years old. How old is Anna?

49. There were 32 bags of small colored stones. Each bag weighed 4 pounds. How many pounds did the bags weigh in all?

52. Teddy picked out 4 packages of hot dogs. Each package cost $1.50. How much did the hot dogs cost all together?

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53. There were 48 pieces of red paper. 14 students used 2 pieces each. How many pieces were left?

54. Rhoda had 21 pieces of paper. She used 4 of them. How many pieces of paper did she have left?

55. Lynn used a 25-inch piece of string for her pendulum. Wayne used a 17-inch piece of string. How much longer was Lynn's string than Wayne's?

56. Drinking milk gives you not just strength, but also increase your height. If each cup of milk makes you grow half an inch, how many cups of milk you have to drink in order to grow 21 inches?

57. On Monday Mrs. Gomez used 270 ft of material to make place mats and napkin sets. She used 30 ft of material for each set. How many sets did she make all together?

58. During the first week Ms. Price's new store took in $437. She had to pay $168 for wages and bills. How much did she have left?

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59. Gina's pendulum made 600 swings in 15 minutes. What was the average number of swings it made in one minute?

62. Two numbers have a sum of 45 and product of 200. What are the numbers?

60. The 36 students in Mrs. Bono's class had a spelling test. Five more than a third of them got a perfect score. How many students received other scores?

63. Ken bought 3 shirts. Each shirt cost $15. How much did he pay for the shirts all together?

64. Nancy is 3 years older than Maria. Nine years later, Maria will turn 15. How old is Nancy 3 years ago?

61. There were 145 students. 80 of them wanted to bowl. How many students did not want to bowl?

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65. A diving crew found 80 coins near a sunken ship. They found 16 of the coins buried in the mud. How many coins did they find not buried in the mud?

66. Kenny was to assign a number to each student in his class. Each student will be assigned with an ID of 2 digits from 1, 2, 3, and 4. Each ID cannot have repeated decimals. For example, 24 is a valid ID, but 33 is not. Can he find enough ID's for the 11 students?

67. The Senior Citizens Club donated 115 kg of paper, 106 kg of glass, and 79 kg of aluminum to the school's recycling drive. How many kilograms of aluminum and glass did it donate all together?

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Fast and Precise

68. 2 quarters and 7 dimes = _____
    pennies

72. $32 \times 11 =$

73. 1 yard = 3 feet
    1 foot = 12 inches

    Write < (less than) , > (larger than)
    or = (equal) in the empty squares

    96 in ☐ 4ft

69. $9 \times 18 =$

70. 4 quarters and 2 dimes = _____
    pennies

74. $45 \div 5 =$

71. 10 dollars = _____ quarters

75. $\frac{7}{8}$ day = _____ hr

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76. 4 quarters = _____ nickels

77. Complete the division and find the
    remainder if any.
    $45 \div 8 =$

78. 1 yard = 3 feet
    1 foot = 12 inches

    48 in. = _____ ft

79. $9 \times 5 =$

80. 1 yard = 3 feet
    1 foot = 12 inches

    2 ft 6 in = _____ in

81. $49 - 6 - 7 =$

82. $\frac{1}{8}$ of 32 =

83. $25 - 13 =$

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84. 1 quarter and 5 dimes = _____ pennies

85. Find the missing number in the following pattern.

____, 58, 60, 62, 64

86. 12 - 6.2 =

87. $\frac{1}{5}$ of 40 =

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Answer Key

Math Instinct

1. 13×7 = 91 cups

2. 94÷15 = 6 R4
    6 dolls

3. 75÷3 = 25

4. 799 + 59 = 858

5. 62 - 39 = 23

6. 5×12 = 60

7. 48×5 = 240

8. 81 - 27 = 54

9. 235÷5 = 47

10. 117÷9 = 13

11. 162÷6 = $27

12. 52÷4 = $13

13. 80×4 = 320 mi

14. 63×7 = 441

15. 24×8 = 192

16. 33×6 = $198

17. 144÷9 = 16

18. 105÷7 = 15

19. 7×8 + 12×5 = 56 + 60 = 116

20. 7×2×20 = 280

Number Puzzles

21. 3

22. 2

23. 4

24. 5

25. 5

26. 13

27. 36

28. 5

29. 5

30. 1

31. 6

32. 2

33. 2

34. 3

35. 2

36. 6

37. 2

38. 3

39. 5

40. 2

Problem Solving

41. 128 ft

42. two

43. two

44. one

45. 36 ÷ 6 = 6

46. 23 × 3 = 69

47. 2×34 = 68¢

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Math Level 3   Sample

48. 72 ÷ 9 = 8

49. 32 × 4 = 128

50. 42 ÷ 6 = 7 days

51. 12 - 5 = 7

52. 1.5×4 = $6.00

53. 48 - 14×2 = 20

54. 21 - 4 = 17

55. 25 - 17 = 8 (in)

56. 21×2 = 42 cups

57. 270÷30 = 9

58. 437 - 168 = $269

59. 600 ÷ 15 = 40

60. 36÷3 = 12
    12 + 5 = 17

61. 145 - 80 = 65

62. 200 = 2×100 = 4×50 = 5×40 = … The best choice is 5 and 40 since the sum is 45.

63. 15×3 = $45

64. 15 - 9 = 6 (Maria's current age)
    6 + 3 = 9 (Nancy's current age)
    9 - 3 = 6 (Nancy's age 3 years ago)

65. 80 - 16 = 64

66. 4×3 = 12
    12 - 1 = 11

67. 106 + 79 = 185

Fast and Precise

68. 120

69. 162

70. 120

71. 40

72. 352

73. >

74. 9

75. 21

76. 4×5 = 20

77. 5 R 5

78. 4

79. 45

80. 30

81. 36

82. 4

83. 12

84. 75

85. 56

86. 5.8

87. 8

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