

- 
57. Add  $\frac{3}{8}$ ,  $\frac{2}{3}$  and  $\frac{17}{101}$ .
58. Reduce 1049-8392 to its lowest terms.
59. Give the rule for reducing fractions having different denominators to equivalent fractions having the least common denominator.
60. Multiply  $18\frac{5}{8}$  by  $7\frac{1}{2}$ .
61. Express in figures, forty-seven, and twenty-one hundred-thousandths.
62. Divide 2019.86928 by  $30\frac{1}{25}$ .
63. If 9 men cut 150 acres of grass in 18 days, how many will do the same work in 27 days?
64. If 500 copies of a book containing 210 pages require 12 reams of paper, how much will 1,200 copies of a book of 280 pages require?
65. What is the value in currency of \$865 in gold, when the latter is selling at 131 per cent?
66. What is the interest on \$200 for 3 years and 10 months, at 7 per cent?
67. In what time will a sum of money double itself at an annual interest of 5 per cent?
68. What is the face of a note at 30 days, which yields \$500 when discounted at bank, at 7 per cent?
70. Extract the square root of .0043046721.
71. Involve 1.06 to the 4th power.
72. What debt can be discharged in a year by weekly payments in arithmetical progression, the first being \$24, and the last \$1,224?
- 

*Examination IV. Nov. 8, 1867.*

73. Express words in 2584503962047.
74.  $2468 + 13579 + 100 + 6042 + 187 + 19 = ?$

75. What is the difference between  $576 - 208 + 1645 - 321$ , and  $403 - 256 + 814 - 195$ ?

76. Multiply forty-nine millions forty thousand six hundred and ninety-seven, by nine millions forty thousand seven hundred and nine.

77. One factor of a certain number is 11, and the other 3708311605: what is that number?

78. If the remainder is 17, the quotient 610, and the dividend 45767, what is the divisor?

79. What cost 3 A. 2 R. 20 rd. of land, at \$43 per acre?

80. What is the difference of time between July 15, 1857, and April 25, 1862?

81. Add	{	T.	cwt.	qr.	lb.	oz.	dr.
		14	13	2	15	15	15
		13	17	3	13	11	13
		46	16	3	11	13	10
		14	15	2	7	6	9
		11	17	3	10	15	11

82. Find the greatest common divisor of 492, 744 and 1044.

83. Divide 137 lb. 9 oz. 18 pwt. 22 gr. by 23.

84. From  $\frac{2}{3}$  of 137 subtract  $\frac{1}{2}$  of 317.

85. Write eleven thousand, and eleven hundred-thousandths, (the whole as a single expression.)

86. Multiply .0097 by .000125.

87. Divide 475 by  $128\frac{5}{8}$ .

88. What cost  $\frac{1}{3}$  of an acre at \$1.75 per sq. rod?

89. Divide 9811.0047 by .325947.

90. Reduce 18s.  $3\frac{1}{4}$  d. to the decimal of a £.

91. Find the third term of  $7 : 8 :: (?) : 12$ .

92. If  $2\frac{1}{2}$  yd. of broadcloth cost \$18, what will 27 yd. cost?

93. If 8 men spend \$64 in 13 weeks, what will 12 men spend in 52 weeks?

94. Find the interest on \$35.61 from Nov. 11, 1857 to Dec. 15, 1859, at 6 per cent.

95. What is the bank discount on a note for \$350, payable 3 months after date, at 7 per cent. interest?

96. Find the square root of .876096.

---

*Examination V. Feb. 21, 1868.*

97. Add together 15262986957 and 3879, and multiply the 19th part of the sum by 76.

98. Subtract nine hundred and fourteen thousand nine hundred and twenty, from four hundred millions and thirteen thousand.

99. A wheel makes 880 revolutions in passing over 2 mi. 1,430 yd.: what is its circumference?

100. Reduce 49 wk. 6 da. 19 hr. to minutes.

101. Find the greatest common divisor of 4004 and 5772.

102. Find the least common multiple of 25, 36, 33, 12, 45.

103. Divide 52 yd. 1 ft.  $10\frac{1}{2}$  in. by  $3\frac{1}{4}$ .

104. Reduce  $3\frac{3}{8}$  of  $1\frac{7}{8}$  of  $2\frac{5}{14}$  to a decimal.

105. Find the value of 169 multiplied by .0000728.

106. Find the value of 25.000315— .0045 plus .2801 minus 18 plus 21.001.

107. Divide the number 54 into 3 parts, proportioned as 2, 3, 4.