GCSE Maths — Numbers Practice Questions SET 1

1. Simplify 84/126.
2. Find the HCF of 48 and 60.
3. Find the LCM of 12 and 16.
4. Express 72 as a product of its prime factors using indices.
5. Write 0.375 as a fraction in simplest form.
6. Express 7/8 as a decimal.
7. Express 0.56 as a fraction in simplest form.
8. Simplify 2.4 × 10^3.
9. Write 0.00453 in standard form.
10. Write 3.6 × 10^-4 as a normal number.
11. Round 12.756 to 1 decimal place.
12. Round 0.03749 to 2 significant figures.
13. Estimate 51 × 0.19 using 1 significant figure.
14. Calculate 3^4 × 3^2.
15. Simplify 6^5 ÷ 6^2.
16. Evaluate $(2^3)4$.
17. Simplify (5 × 10^2) × (3 × 10^3).
18. Write 3200 as a number between 1 and 10 multiplied by a power of 10.
19. Order the numbers 0.34, 3/8, and 34% from smallest to largest.
20. Find 30% of 240.
21. Increase 120 by 15%.
22. Decrease 250 by 8%.
23. A price increases from £80 to £100. Find the percentage increase.
24. A car value drops from £12,000 to £9,600. Find the percentage decrease.
25. Find the original number if 45% of it is 180.

26. Calculate (5/8) of £2448.
27. Simplify (3/5) ÷ (4/7).
28. Simplify (5/6) × (9/10).
29. Add 3/7 + 4/9 and simplify the answer.
30. Subtract 5/8 - 3/10.
31. Calculate 0.25 + 3.6 + 3/4.
32. Write 125% as a decimal.
33. Write 0.045 as a percentage.
34. Write 7/20 as a percentage.
35. Convert 135% to a fraction in simplest form.
36. (3/4) of a number is 48. Find the number.
37. Find x: 15% of x = 18.
38. There are 24 boys and 32 girls. Write the ratio of boys to girls in simplest form.
39. Divide £72 in the ratio 4:5.
40. Share 96 in the ratio 3:9.
41. Simplify the ratio 250 g : 1 kg.
42. A recipe uses sugar and flour in the ratio 2:5. How much flour is needed for 120 g of sugar?
43. Write 1.08 as a fraction in simplest form.
44. Write 13/50 as a decimal.
45. Calculate 3.42 ÷ 0.6.
46. Work out 0.25 × 48.
47. Work out (0.7)^2.
48. Simplify (3x^2 y^3) ÷ (6x y^2).
49. Evaluate 8^(-2).
50. Evaluate 16^(0.5).
51. Compute (27)^(1/3).
52. Evaluate (0.09)^(1/2).
53. Work out 5 × 10^(-3).

54. Express 0.00068 in standard form.
55. Write 6.4 × 10^2 in ordinary number form.
56. Simplify (2.5 × 10^3) ÷ (5 × 10^1).
57. Write 3/2 as a mixed number.
58. Convert 2 3/8 to an improper fraction.
59. Evaluate 7^3 - 5^2.
60. Calculate (4^2 + 3^2)(1/2).
61. Simplify (3^3 × 3^2) ÷ 3^4.
62. Estimate 198 × 4.97.
63. Express 81 as a power of 3.
64. Express 64 as a power of 2.
65. Find the cube root of 125.
66. Find the square of 45.
67. Write 2.16 × 10^(-2) as a normal number.
68. 40% of a number is 32. Find the number.
69. Increase 75 by 2/5 of itself.
70. A shirt costs £48 excluding VAT. VAT is 20%. Find total price including VAT.
71. A value is 120 after a 25% increase. Find the original value.
72. Find the reciprocal of 0.25.
73. Find the reciprocal of 3/4.
74. Simplify (2x/5y) × (15y/4x).
75. Simplify (5/x) ÷ (10/x^2).
76. Simplify (4p^3 q^2) ÷ (8p^2 q).
77. Evaluate 2.4^2 - 1.2^2.
78. Evaluate (5^3 - 5^2) ÷ 5.
79. Find x if 0.6x = 3.6.
80. A number increases by 10% to become 220. Find the original number.
81. Simplify the ratio 6:15.

82. Write 18/45 in simplest form.

83. Find the value of 3^2 + 4^2 - 5^2.

84. Evaluate (7^2 - 3^2) ÷ 2.

85. Simplify 2(x + 3) - 3(x - 4).

86. Approximate 3456 ÷ 49 to the nearest whole number using rounding.

87. Calculate (2/3) of 180.

88. Write 0.0065 in standard form.

89. Simplify 1.2 × 10^4 + 3.4 × 10^4.

90. Find 12% of 250.

91. Express 45/60 in simplest form.

92. Write 18 3/4 as a decimal.

93. Write 7.625 as a mixed fraction.

94. Find 35% of 460.

95. Write 6.02 × 10^23 in ordinary form.

96. Convert 2.56 × 10^(-3) to a standard decimal.

97. Write 4800 in standard form.

98. Find the mean of 4.8, 5.4, 6.2, 7.6.

99. If 6 books cost £72, find the cost of one book.

100. Find the value of (0.3 + 0.7)^2 - 2(0.3)(0.7).