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Chaminade Summer Math Review for All Incoming 6th Graders
(MAT 630 & MAT 650)

Solve each problem. Show your work next to each problem when possible. Write all fractions in simplest form.

1) $236 \times 45 =$

2) $152,099 \times 8 =$

3) $50,388 \div 68 =$

4) $1,260 \div 35 =$

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5) *What is the Greatest Common Factor of 36, 24, and 8?*

6) *What is the Least Common Multiple of 15, 12, and 10?*

7) $\frac{1}{3} = \frac{\quad}{6}$

8) $\frac{10}{15} = \frac{\quad}{3}$

9) $\frac{1}{4} = \frac{25}{\quad}$

10) *Write $\frac{7}{2}$ as a mixed number.*

11) *Write $\frac{35}{4}$ as a mixed number.*

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12) Write $\frac{7}{2}$ as a mixed number.

13) $\frac{2}{3} + \frac{5}{6} =$

14) $\frac{9}{10} + \frac{6}{15} =$

15) $\frac{1}{3} + 2 =$

16) $\frac{2}{7} - \frac{1}{14} =$

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17) $\frac{10}{13} - \frac{5}{26} =$

18) $4 - \frac{5}{6} =$

19) *What is $\frac{1}{2}$ of 24?*

20) *What is $\frac{2}{3}$ of 60?*

21) *What is $\frac{4}{5}$ of 15?*

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22) *What is $\frac{1}{8}$ of 100?*

23) *List the first 10 multiples of 14.*

24) *List the first 10 prime numbers.*

25) *List all square numbers under 500 (example: 9 is a square number because $3 \times 3 = 9$).*

26) $100 \times 12 =$

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27) $3.5 \times 1,000 =$

28) $800 \times 1,000,000 =$

29) $38 \times 10 =$

30) $982 \times 10,000 =$

31) $456,000 \div 100 =$

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32) $38 \div 10 =$

33) $1350 \div 100 =$

34) $9,000,000,000 \div 1,000,000 =$

35) $3.2 \div 10 =$

36) $4.56 - 2.8 =$

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37) $32.5 + 17.6 =$

38) $82.05 + 72.9 =$

39) $312.5 - 30.7 =$

40) $123 + 82.2 - 2.2 =$

41) A company donates 935 pencils to a school. The pencils are divided evenly among 9 classrooms. The rest of the pencils are given to the library. How many pencils were donated to the school and to the library?

42) Manny owns 83 sets of basketball cards. Each set has exactly 504 cards. What is the total number of basketball cards Manny owns?