

• Larry's Mental Challenge – #1 •



- 1) $99 + 99 + 99 =$ _____
- 2) $100 - 76 =$ _____
- 3) $5 \times 4 \times 3 \times 2 \times 1 =$ _____
- 4) $100 \div 20 =$ _____
- 5) $1\frac{1}{2} + 2\frac{1}{2} + 3\frac{1}{2} =$ _____
- 6) $30 \div 2 =$ _____
- 7) $\frac{1}{4}$ of 24 = _____
- 8) 100% of 17 = _____
- 9) half of 99 = _____
- 10) Half of what number is $7\frac{1}{2}$? = _____
- 11) Arrange in order (from smallest to largest):
 $0, 1, \frac{9}{10}, \frac{3}{100}, \frac{1}{2}$ _____

- 12) $\frac{1}{2} + \frac{1}{4}$ (a half plus a quarter) _____

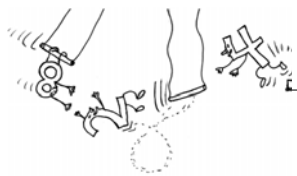
- 13) 3 is to 6 as 5 is to _____



• Larry's Mental Challenge – #2 •



- 1) $124 + 125 + 126 =$ _____
- 2) $215 - 99 =$ _____
- 3) $2 \times 7 \times 5 =$ _____
- 4) $100 \div 8 =$ _____
- 5) $6 \times 1\frac{1}{2} =$ _____
- 6) $10 \div 2\frac{1}{2} =$ _____
- 7) $\frac{3}{4}$ of 24 = _____
- 8) 25% of 200 = _____
- 9) half of $12\frac{1}{2}$ = _____
- 10) $\frac{2}{3}$ of what number is 10? = _____
- 11) Arrange in order (from smallest to largest):
 $0, 1, \frac{3}{4}, \frac{2}{7}, \frac{1}{2}$ _____
- 12) $\frac{1}{4} + \frac{1}{2} + \frac{3}{4}$ _____
(a quarter plus a half plus three-quarters)
- 13) 1 is to 4 as ____ is to 12 _____



• Larry's Mental Challenge – #3 •



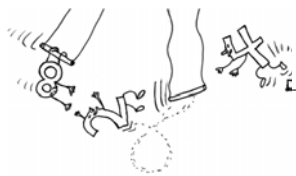
- 1) $199 + 299 + 397 =$ _____
- 2) $305 - 98 =$ _____
- 3) $40 \times 9 \times 50 =$ _____
- 4) $225 \div 5 =$ _____
- 5) $8 \times 1\frac{1}{2} =$ _____
- 6) $10 \div 3\frac{1}{3} =$ _____
- 7) $\frac{3}{4}$ of 40 = _____
- 8) 9% of 300 = _____
- 9) half of 999 = _____
- 10) $\frac{3}{4}$ of what number is 18? = _____
- 11) Arrange in order (from smallest to largest):
 $0, 1, \frac{2}{9}, \frac{2}{3}, \frac{1}{2}$ _____
- 12) $\frac{1}{2} + \frac{1}{3} + \frac{1}{4}$ _____
(a half plus a third plus a fourth)
- 13) 2 is to ____ as 3 is to 9 _____



• Larry's Mental Challenge – #4 •



- 1) $999 + 998 + 997 =$ _____
- 2) $4,050 - 998 =$ _____
- 3) $7 \times 3 \times 33 =$ _____
- 4) $1,500 \div 250 =$ _____
- 5) $6 \times 2\frac{1}{4} =$ _____
- 6) $9 \div 1\frac{1}{2} =$ _____
- 7) $\frac{3}{4}$ of 368 = _____
- 8) 7% of 250 = _____
- 9) half of $7\frac{1}{2}$ = _____
- 10) $\frac{3}{4}$ of what number is $7\frac{1}{2}$? = _____
- 11) Arrange in order (from smallest to largest):
 $0, 1, \frac{4}{7}, \frac{9}{10}, \frac{5}{13}$ _____
- 12) $\frac{2}{3}$ of what number is 300? _____
- 13) 6 is to 8 as ____ is to 12 _____



• Larry's Mental Challenge – #5 •



- 1) $9 + 99 + 999 + 9,999 =$ _____
- 2) $4,025 - 1,500 =$ _____
- 3) $9 \times 3 \times 111 =$ _____
- 4) $3,000 \div 75 =$ _____
- 5) $6 \times 1\frac{2}{3} =$ _____
- 6) $9 \div 2\frac{1}{4} =$ _____
- 7) $\frac{3}{4}$ of 445 = _____
- 8) $\frac{1}{2}\%$ of 500 = _____
- 9) half of 1,999 = _____
- 10) $\frac{5}{4}$ of what number is 25? = _____
- 11) Arrange in order (from smallest to largest):
 $0, 1, \frac{3}{7}, \frac{1}{10}, \frac{8}{13}$ _____
- 12) $\frac{2}{5}$ of what number is 450? _____
- 13) 6 is to 9 as ____ is to 15 _____



• Larry's Mental Challenge – Fractions & Decimals #1 •



1) $\frac{1}{2} + 0.5 =$ _____

2) $0.5 + \frac{1}{4} =$ _____

3) $\frac{1}{2} + 0.25 =$ _____

4) $0.5 + \frac{3}{4} =$ _____

5) $\frac{1}{4} + \frac{1}{4} =$ _____

6) $\frac{1}{2} + \frac{1}{2} =$ _____

7) $\frac{1}{2} + \frac{1}{4} =$ _____

8) $\frac{3}{4} + \frac{3}{4} =$ _____

9) $0.75 + \frac{1}{2} =$ _____

10) $\frac{3}{4} + 0.25 =$ _____

11) $0.75 + 0.5 =$ _____

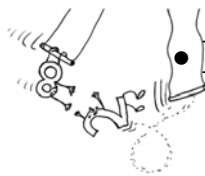
12) $0.75 + \frac{1}{4} =$ _____

13) $\frac{1}{4} + 0.25 =$ _____

14) $0.75 + \frac{3}{4} =$ _____

15) Draw a picture of " $\frac{1}{2} + 0.75$."

16) Draw a picture of " $0.75 + 1\frac{1}{4}$."



• Larry's Mental Challenge – Fractions & Decimals #2 •



1) $\frac{1}{4} + \frac{1}{2} + \frac{1}{4} = \underline{\hspace{2cm}}$

2) $\frac{1}{2} + 0.25 + \underline{\hspace{2cm}} = 1$

3) $\frac{1}{2} + 0.25 + \frac{1}{2} = \underline{\hspace{2cm}}$

4) $\frac{1}{2} + 0.75 + \underline{\hspace{2cm}} = 2$

5) $\frac{1}{2} + 0.25 + \underline{\hspace{2cm}} = 1\frac{1}{2}$

6) $\frac{1}{4} + 0.5 + \underline{\hspace{2cm}} = 2$

7) $\frac{1}{4} + 0.25 + \underline{\hspace{2cm}} = 1.5$

8) $\frac{1}{4} + 0.75 + \underline{\hspace{2cm}} = 2\frac{1}{4}$

9) Draw a picture of each of questions 1–8 above.