

WS "Stilwell Practice 0-1"

(Fraction Work)

I. Give the Missing Number:

a) $\frac{1}{2} = \frac{n}{18}$

b) $\frac{3}{7} = \frac{18}{n}$

c) $\frac{4}{n} = \frac{24}{54}$

d) $\frac{5}{6} = \frac{35}{n}$

e) $\frac{n}{3} = \frac{13}{39}$

f) $\frac{n}{5} = \frac{27}{45}$

II. Reduce to *Lowest Terms* (write L.T. if already reduced):

g) $\frac{8}{24} =$

h) $\frac{40}{56} =$

i) $\frac{26}{39} =$

j) $\frac{7}{16} =$

k) $\frac{108}{144} =$

l) $\frac{60}{132} =$

III. Change to a Mixed Number or a Whole Number:

m) $\frac{97}{10} =$

n) $\frac{210}{6} =$

o) $\frac{75}{2} =$

IV. Change to an Improper Fraction:

p) $10\frac{1}{5} =$

q) $18\frac{5}{6} =$

r) $21\frac{3}{4} =$

V. Decide whether $<$, $>$, or $=$:

s) $\frac{3}{4}$ _____ $\frac{9}{13}$

t) $\frac{2}{3}$ _____ $\frac{4}{5}$

u) $\frac{6}{9}$ _____ $\frac{10}{15}$

v) $\frac{10}{3}$ _____ $3\frac{2}{6}$

w) $\frac{2}{7}$ _____ $\frac{3}{8}$

x) $\frac{27}{10}$ _____ $\frac{21}{8}$

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VI. Evaluate:

y) $\frac{5}{12} + \frac{4}{9}$

z) $\frac{7}{10} + \frac{3}{4}$

aa) $3\frac{3}{10} + 8\frac{4}{5}$

bb) $3\frac{5}{6} + 8\frac{1}{2} + \frac{9}{10}$

bb) $\frac{5}{12} - \frac{1}{4}$

cc) $\frac{6}{7} - \frac{1}{3}$

dd) $10\frac{4}{5} - 3\frac{1}{8}$

ee) $7 - 2\frac{5}{11}$

ff) $\frac{7}{12} \times \frac{9}{14}$

gg) $\frac{2}{5} \times \frac{3}{8} \times \frac{5}{9}$

hh) $1\frac{3}{7} \times 3\frac{1}{2}$

ii) $4\frac{5}{8} \times 6$

jj) $\frac{3}{5} \div \frac{3}{4}$

kk) $9 \div \frac{3}{5}$

ll) $2\frac{5}{8} \div 1\frac{7}{8}$

mm) $3\frac{3}{4} \div 1\frac{3}{7}$

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WS "Stilwell Practice 0-2"

(Rounding and Fraction Work)

I. Fill in the table by rounding:

| | Number | Hundreds | Tens | Whole number | Tenths | Hundredths |
|----|-------------|----------|------|--------------|--------|------------|
| a) | 7,254.8072 | | | | | |
| b) | 11,092.3061 | | | | | |
| c) | 267.945 | | | | | |
| d) | 999.9999 | | | | | |

II. Decide whether $<$, $>$, or $=$:

e) $\frac{17}{2}$ _____ $8\frac{9}{10}$

f) $\frac{2}{3}$ _____ 0.666

g) 0.998 _____ 1

h) .85 _____ $\frac{5}{6}$

i) $\frac{13}{25}$ _____ 0.52

j) $6\frac{5}{6}$ _____ $\frac{34}{5}$

III. Evaluate:

1) $\frac{1}{4} + \frac{5}{9}$

2) $3\frac{1}{5} + 2$

3) $4\frac{2}{7} + 7\frac{3}{4}$

4) $9\frac{3}{4} + 5\frac{7}{12}$

5) $4\frac{2}{3} + 4\frac{1}{2} + 4\frac{5}{6}$

6) $\frac{1}{2} + \frac{1}{3} + \frac{1}{4}$

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7) $\frac{11}{12} - \frac{1}{4}$

8) $5 - \frac{3}{5}$

9) $2\frac{1}{2} - 1\frac{1}{6}$

10) $2\frac{2}{5} - 2\frac{2}{7}$

11) $5\frac{3}{4} - 4\frac{7}{8}$

12) $\frac{3}{4} - (2 - 1\frac{1}{3})$

13) $4\frac{3}{8} \times 2\frac{2}{7}$

14) $4\frac{2}{3} \times 2\frac{4}{7}$

15) $1\frac{11}{9} \times 6\frac{3}{5}$

16) $6\frac{3}{4} \times 3\frac{5}{9}$

17) $18 \times \frac{2}{9}$

18) $\frac{1}{2} \times \frac{1}{3} \times \frac{1}{4}$

19) $2\frac{4}{7} \div 3\frac{3}{4}$

20) $6\frac{2}{5} \div 3\frac{1}{3}$

21) $4\frac{1}{6} \div 2\frac{2}{9}$

22) $8\frac{3}{4} \div 4\frac{1}{6}$

23) $\frac{3}{5} \div \frac{2}{15}$

24) $2\frac{2}{5} \div 16$

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WS "Stilwell Practice 0-3"

(Decimal Place Value, Rounding, Fraction Work)

I. Using 512,340.567892 give the digit for each place value below:

- a) ones _____ b) hundreds _____ c) ten thousands _____
d) tenths _____ e) millionths _____ f) hundred thousandths _____
g) tens _____ h) hundredths _____ i) ten thousandths _____
j) thousandths _____ k) thousands _____ l) hundred thousands _____

II. Fill in the table by rounding:

| | Number | Hundredths | Tens | Hundreds | Tenths | Whole Number |
|----|------------|------------|------|----------|--------|--------------|
| m) | 8,027.6341 | | | | | |
| n) | 7,269.805 | | | | | |
| o) | 345.2582 | | | | | |
| p) | 91.65279 | | | | | |
| q) | 4,238.8089 | | | | | |

III. Reduce to *Lowest Terms* (write L.T. if already reduced):

r) $\frac{225}{20} =$

s) $\frac{30}{48} =$

t) $\frac{19}{38} =$

o) $\frac{34}{51} =$

IV. Decide whether $<$, $>$, or $=$:

v) $\frac{8}{16}$ _____ $\frac{9}{12}$

w) $\frac{3}{4}$ _____ 0.75

x) $\frac{5}{9}$ _____ 0.55

V. Give the reciprocal

y) $\frac{3}{4} =$

z) $\frac{26}{5} =$

aa) $5\frac{1}{2} =$

bb) 1 =

cc) 0 =

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VI. Evaluate:

1) $\frac{5}{8} + \frac{2}{3}$

2) $\frac{4}{5} + \frac{3}{4}$

3) $\frac{5}{6} + \frac{5}{6} + \frac{5}{6}$

4) $6\frac{1}{2} + 2\frac{4}{5}$

5) $1\frac{3}{5} + 3\frac{5}{6}$

6) $9\frac{5}{8} + 5\frac{1}{7}$

7) $\frac{5}{7} - \frac{1}{4}$

8) $\frac{5}{8} - \frac{1}{2}$

9) $\frac{2}{3} - \frac{3}{8}$

10) $8\frac{3}{5} - 6\frac{2}{3}$

11) $6 - 4\frac{4}{11}$

12) $4\frac{1}{12} - 1\frac{3}{4}$

13) $3\frac{3}{7} \times 3\frac{1}{2}$

14) $4\frac{3}{8} \times 2\frac{2}{7}$

15) $1\frac{9}{11} \times 6\frac{3}{5}$

16) $4\frac{1}{6} \times 2\frac{2}{5}$

17) $1\frac{5}{6} \times 8$

18) $3\frac{2}{3} \times 2\frac{1}{4}$

19) $3\frac{3}{4} \div 7\frac{1}{2}$

20) $2\frac{4}{7} \div 3\frac{3}{4}$

21) $4\frac{1}{6} \div 2\frac{2}{9}$

22) $4\frac{1}{8} \div 3\frac{1}{7}$

23) $3\frac{1}{2} \div 14$

24) $1\frac{3}{4} \div 4\frac{2}{3}$

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WS "Stilwell Practice 0-4"

(Decimal Work)

I. Write the numeral:

- a) one and five-thousandths _____
- b) forty and ninety-eight thousandths _____
- c) forty-nine and eight hundredths _____
- d) five thousand two hundred and one tenth _____
- e) three hundred three thousandths _____
- f) three hundred and three thousandths _____
- g) three hundred three thousand _____
- h) seven hundred two ten-thousandths _____
- i) twenty-five thousand and sixty-five hundred thousandths _____
- j) six thousand twenty and nineteen millionths _____

II. Decide whether $<$, $>$, or $=$:

- k) 0.7 ___ 0.09
- l) 0.213 ___ 0.2134
- m) 0.0103 ___ 0.011
- n) $\frac{3}{5}$ ___ 0.6
- o) 3.1 ___ 0.319
- p) 0.760 ___ 0.76
- q) $\frac{1}{4}$ ___ 0.249
- r) $\$0.15$ ___ 22 cents

III. Evaluate:

- 1) $2.86 + 18 + 71.5$
- 2) $47.9 + 4.79 + .479$
- 3) $.8 + .8 + .8$
- 4) $.337 + 6.98 + 15$
- 5) $4.685 + .468 + 3$
- 6) $12.3 - 1.23$

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7) $18 - 7.854$

8) $20.02 - .2002$

9) $11 - 4.4987$

10) $80.76 - 62.3081$

11) $.3 \times .3$

12) $4.32 \times .8$

13) 91.8×23

14) $7.618 \times .24$

15) 2.95×17.5

16) $216 \div .08$

17) $1.326 \div 26$

18) $2.754 \div 3.4$

19) $.728 \div .13$

20) $89.28 \div .248$

WS "Stilwell Practice 0-5"

(Powers of 10, Rounding, Decimal Work)

I. Fill in the table:

| | Number | $\times 100$ | $\div 1,000$ | $\times 10^3$ | $\div 10^2$ | $\times 10^6$ | $\div 10^5$ |
|----|--------|--------------|--------------|---------------|-------------|---------------|-------------|
| a) | 9.67 | | | | | | |
| b) | 31 | | | | | | |
| c) | 258.4 | | | | | | |

II. Fill in the table by rounding:

| | Number | Tenths | Hundreds | Thousandths | Whole Number | Hundredths | Thousand |
|----|------------|--------|----------|-------------|--------------|------------|----------|
| d) | 4,951.8236 | | | | | | |
| e) | 817.0955 | | | | | | |
| f) | 9,990.9994 | | | | | | |

III. Decide whether $<$, $>$, or $=$:

g) $\frac{3}{4}$ _____ $\frac{7}{9}$

h) $6\frac{5}{6}$ _____ $\frac{34}{5}$

i) $\frac{1}{3}$ _____ 0.333

j) $0.\bar{6}$ _____ 0.6

k) $\frac{3}{4}$ _____ $0.2\bar{5}$

l) 0.76 _____ 0.706

m) 0.283 _____ 0.382

n) 0.15 _____ $\frac{1}{5}$

IV. Give the Missing Number:

o) $\frac{1}{4} = \frac{12}{n}$

p) $\frac{5}{6} = \frac{n}{36}$

q) $\frac{20}{35} = \frac{n}{7}$

r) $\frac{18}{27} = \frac{2}{n}$

s) $\frac{8}{16} = \frac{n}{20}$

t) $\frac{10}{15} = \frac{8}{n}$

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V. Evaluate:

1) $27.62 + .15 + 4$

2) $6\frac{1}{4} \times 3.2$

3) $0.91 - 0.4$

4) $9.3 - 6\frac{4}{5}$

5) $21.6 + 17\frac{3}{4} + 9$

6) $1\frac{3}{5} \div 0.004$

7) $4.8 \times 4\frac{3}{8}$

8) $0.25 \div 2$

9) $6\frac{1}{5} - 2.5$

10) $6\frac{2}{3} \times 3.75$

11) $6.6 \div 16\frac{1}{2}$

12) $5\frac{1}{4} \div 1.5$

13) $\frac{7}{10} \times 2.25$

14) $0.0045 \div \frac{1}{2}$

15) $(\frac{1}{2})^2$