

Name : \_\_\_\_\_

## Decimal Subtraction - Tenths

L2S1

Line up the decimals in vertical form and subtract.

1)  $925.7 - 843.6$

2)  $158.2 - 60.4$

3)  $47.5 - 36.2$

4)  $104.5 - 7.8$

5)  $35.1 - 2.7$

6)  $54.3 - 28.9$

7)  $6.8 - 0.3$

8)  $768.4 - 310.2$

9)  $49.6 - 10.5$

10)  $551.9 - 82.3$

11)  $23.5 - 9.6$

12)  $803.7 - 691.4$

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## Missing Fractions

All fractions: S1

1)  $9\frac{22}{25} - \square = 4\frac{6}{25}$

2)  $\square - \frac{8}{14} = \frac{3}{14}$

3)  $\square - \frac{1}{6} = 1$

4)  $8\frac{16}{18} - \square = 5\frac{5}{18}$

5)  $7\frac{7}{9} - \square = 7\frac{1}{3}$

6)  $\square - \frac{12}{30} = 1\frac{17}{30}$

7)  $\square - \frac{18}{12} = \frac{5}{12}$

8)  $6\frac{1}{2} - \square = 6$

9)  $5\frac{3}{4} - \square = 3\frac{1}{2}$

10)  $\frac{20}{15} - \square = \frac{3}{5}$

11)  $\square - \frac{13}{19} = \frac{9}{19}$

12)  $\square - \frac{3}{8} = 4\frac{1}{2}$

13)  $3\frac{6}{10} - \square = 3\frac{3}{10}$

14)  $9\frac{2}{3} - \square = 7\frac{1}{3}$

**Converting Improper Fractions and Mixed Numbers**

A) Convert each improper fraction to a mixed number.

1)  $\frac{43}{5} =$  \_\_\_\_\_

2)  $\frac{37}{8} =$  \_\_\_\_\_

3)  $\frac{19}{2} =$  \_\_\_\_\_

4)  $\frac{71}{9} =$  \_\_\_\_\_

5)  $\frac{8}{7} =$  \_\_\_\_\_

6)  $\frac{27}{10} =$  \_\_\_\_\_

7)  $\frac{64}{11} =$  \_\_\_\_\_

8)  $\frac{7}{6} =$  \_\_\_\_\_

B) Convert each mixed number to an improper fraction.

1)  $1\frac{1}{8} =$  \_\_\_\_\_

2)  $3\frac{2}{3} =$  \_\_\_\_\_

3)  $8\frac{4}{7} =$  \_\_\_\_\_

4)  $1\frac{1}{5} =$  \_\_\_\_\_

5)  $7\frac{7}{12} =$  \_\_\_\_\_

6)  $5\frac{3}{4} =$  \_\_\_\_\_

7)  $4\frac{8}{9} =$  \_\_\_\_\_

8)  $9\frac{9}{10} =$  \_\_\_\_\_

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## Equivalent Fractions

Mul/div: S2

1)  $\frac{5}{2} = \frac{25}{\square}$

2)  $\frac{9}{7} = \frac{\square}{28}$

3)  $\frac{8}{48} = \frac{\square}{6}$

4)  $\frac{24}{42} = \frac{4}{\square}$

5)  $\frac{3}{5} = \frac{9}{\square}$

6)  $\frac{18}{16} = \frac{\square}{8}$

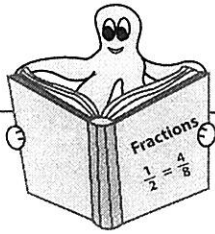
7)  $\frac{14}{49} = \frac{\square}{7}$

8)  $\frac{1}{5} = \frac{9}{\square}$

9)  $\frac{32}{20} = \frac{8}{\square}$

10)  $\frac{4}{3} = \frac{\square}{9}$

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## Missing Numbers

ES1

Fill in the missing numbers.

1)  $\frac{3}{4} = \frac{\quad}{8}$

2)  $\frac{5}{\quad} = \frac{20}{12}$

3)  $\frac{11}{2} = \frac{33}{\quad}$

4)  $\frac{35}{25} = \frac{\quad}{5}$

5)  $\frac{\quad}{14} = \frac{16}{28}$

6)  $\frac{6}{\quad} = \frac{24}{36}$

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

8)  $\frac{10}{3} = \frac{\quad}{9}$

9)  $\frac{12}{16} = \frac{\quad}{8}$

10)  $\frac{4}{7} = \frac{16}{\quad}$

11)  $3 = \frac{12}{\quad}$

12)  $\frac{\quad}{27} = \frac{7}{9}$

13)  $\frac{39}{12} = \frac{13}{\quad}$

14)  $2 = \frac{\quad}{10}$

15)  $\frac{\quad}{6} = \frac{12}{24}$

16)  $\frac{4}{\quad} = \frac{8}{18}$

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## Adding Mixed Numbers

ES2

1)  $1\frac{6}{10} + 3\frac{1}{10} =$

2)  $5\frac{2}{9} + 6\frac{3}{9} =$

3)  $9\frac{2}{7} + 4\frac{3}{7} =$

4)  $8\frac{5}{8} + 5\frac{2}{8} =$

5)  $7\frac{1}{4} + 3\frac{2}{4} =$

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

7)  $3\frac{2}{5} + 2\frac{1}{5} =$

8)  $9\frac{3}{7} + 3\frac{3}{7} =$

9)  $4\frac{6}{9} + 8\frac{2}{9} =$

10)  $3\frac{10}{11} + 2\frac{9}{11} =$

11)  $5\frac{4}{12} + 2\frac{7}{12} =$

12)  $6\frac{2}{5} + 4\frac{2}{5} =$

13)  $1\frac{1}{2} + 3\frac{1}{2} =$

14)  $7\frac{4}{8} + 8\frac{1}{8} =$

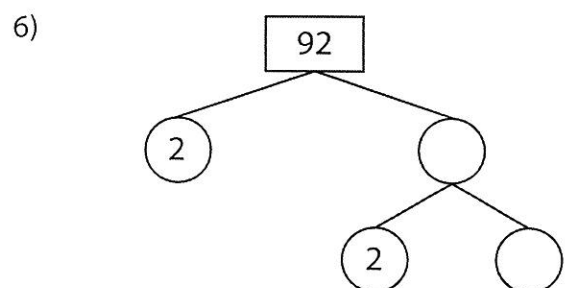
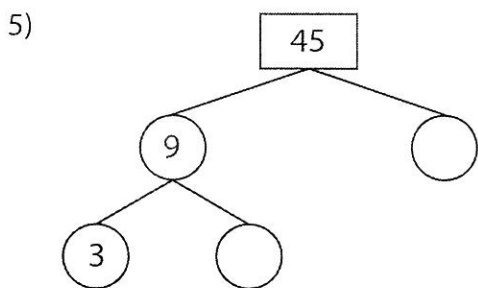
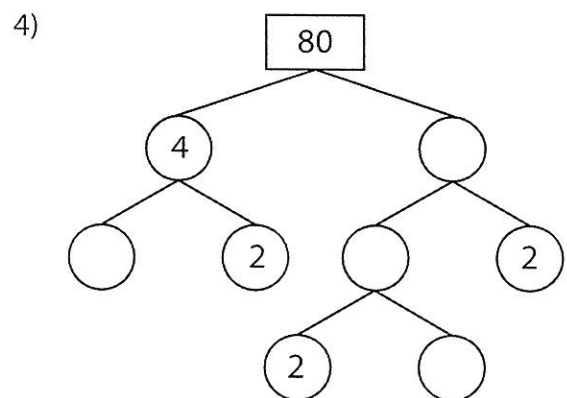
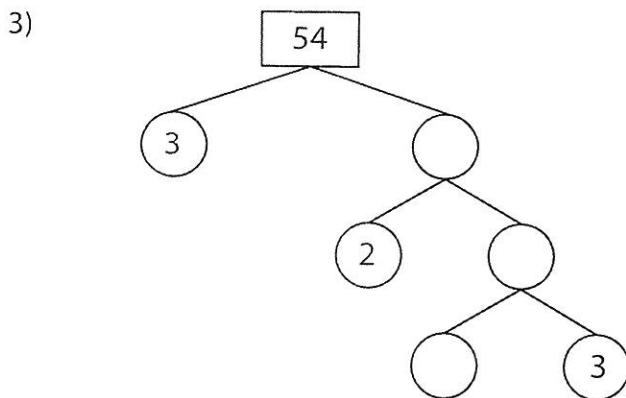
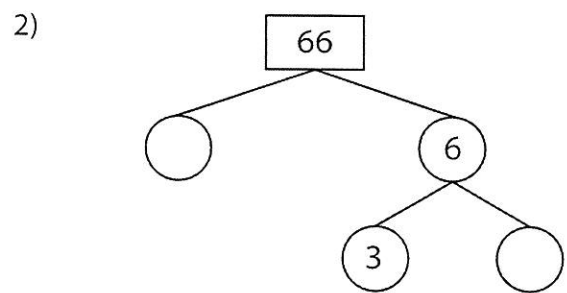
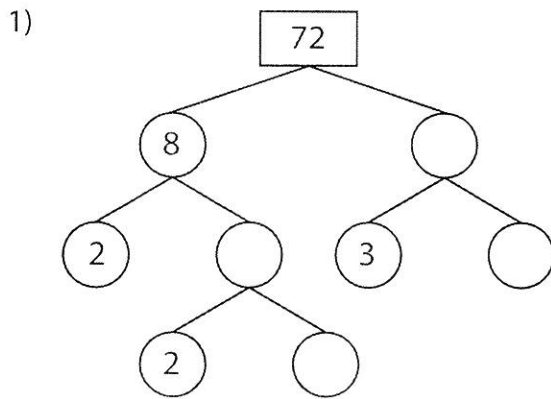
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### Prime Factor Tree

MS1

Complete the prime factor tree for each number.



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### Equivalent Fractions

$$1) \quad \frac{1}{4} = \frac{\quad}{8} = \frac{3}{\quad} = \frac{4}{\quad} = \frac{\quad}{20} = \frac{\quad}{24} = \frac{7}{\quad}$$

$$2) \quad \frac{9}{10} = \frac{\quad}{20} = \frac{27}{\quad} = \frac{\quad}{40} = \frac{45}{\quad} = \frac{54}{\quad} = \frac{\quad}{70}$$

$$3) \quad \frac{5}{10} = \frac{10}{\quad} = \frac{15}{\quad} = \frac{\quad}{40} = \frac{\quad}{50} = \frac{\quad}{60} = \frac{\quad}{70}$$

$$4) \quad \frac{1}{5} = \frac{\quad}{10} = \frac{\quad}{15} = \frac{4}{\quad} = \frac{5}{\quad} = \frac{\quad}{30} = \frac{\quad}{35}$$

$$5) \quad \frac{1}{5} = \frac{\quad}{10} = \frac{3}{\quad} = \frac{4}{\quad} = \frac{5}{\quad} = \frac{\quad}{30} = \frac{7}{\quad}$$

$$6) \quad \frac{2}{3} = \frac{4}{\quad} = \frac{\quad}{9} = \frac{\quad}{12} = \frac{10}{\quad} = \frac{12}{\quad} = \frac{\quad}{21}$$

$$7) \quad \frac{1}{3} = \frac{\quad}{6} = \frac{3}{\quad} = \frac{4}{\quad} = \frac{5}{\quad} = \frac{6}{\quad} = \frac{\quad}{21}$$

$$8) \quad \frac{1}{2} = \frac{2}{\quad} = \frac{\quad}{6} = \frac{\quad}{8} = \frac{5}{\quad} = \frac{\quad}{12} = \frac{\quad}{14}$$

$$9) \quad \frac{3}{4} = \frac{6}{\quad} = \frac{\quad}{12} = \frac{12}{\quad} = \frac{15}{\quad} = \frac{18}{\quad} = \frac{\quad}{28}$$

$$10) \quad \frac{2}{5} = \frac{\quad}{10} = \frac{\quad}{15} = \frac{\quad}{20} = \frac{10}{\quad} = \frac{12}{\quad} = \frac{\quad}{35}$$



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## Divisibility Rule

Sheet 1

Use divisibility rule to circle the factors of each number.

1) 3,642

is divisible by

3 4 5 6 12

2) 516

is divisible by

2 3 4 9 10

3) 569,820

is divisible by

2 3 4 5 10

4) 55

is divisible by

2 4 5 7 11

5) 48,704

is divisible by

2 3 4 8 9

6) 9,541

is divisible by

3 7 8 9 12

7) 21,208

is divisible by

2 4 8 10 11

8) 114,786

is divisible by

2 3 5 7 9

9) 248

is divisible by

2 3 4 5 8

10) 758,428

is divisible by

2 3 4 9 10

11) 6,040

is divisible by

2 4 5 8 9

12) 835,752

is divisible by

2 3 4 6 8

13) 16,596

is divisible by

2 3 4 7 12

14) 684,342

is divisible by

2 4 6 8 9

15) 96,415

is divisible by

4 5 10 11 12

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## Subtract Decimals

Subtract each decimal from the given whole number.

$$\begin{array}{r} 1) \quad 61.0 \\ - \quad 6.1 \\ \hline \end{array} \quad \begin{array}{r} 2) \quad 2.00 \\ - \quad 0.09 \\ \hline \end{array} \quad \begin{array}{r} 3) \quad 57.00 \\ - \quad 32.32 \\ \hline \end{array} \quad \begin{array}{r} 4) \quad 614.000 \\ - \quad 40.545 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 16.00 \\ - \quad 0.71 \\ \hline \end{array} \quad \begin{array}{r} 6) \quad 70.0 \\ - \quad 0.9 \\ \hline \end{array} \quad \begin{array}{r} 7) \quad 550.000 \\ - \quad 6.808 \\ \hline \end{array} \quad \begin{array}{r} 8) \quad 633.0 \\ - \quad 3.4 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 653.00 \\ - \quad 47.24 \\ \hline \end{array} \quad \begin{array}{r} 10) \quad 339.000 \\ - \quad 61.284 \\ \hline \end{array} \quad \begin{array}{r} 11) \quad 40.00 \\ - \quad 9.79 \\ \hline \end{array} \quad \begin{array}{r} 12) \quad 40.000 \\ - \quad 5.128 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 889.000 \\ - \quad 57.018 \\ \hline \end{array} \quad \begin{array}{r} 14) \quad 206.0 \\ - \quad 4.7 \\ \hline \end{array} \quad \begin{array}{r} 15) \quad 72.000 \\ - \quad 9.011 \\ \hline \end{array} \quad \begin{array}{r} 16) \quad 937.0 \\ - \quad 27.8 \\ \hline \end{array}$$