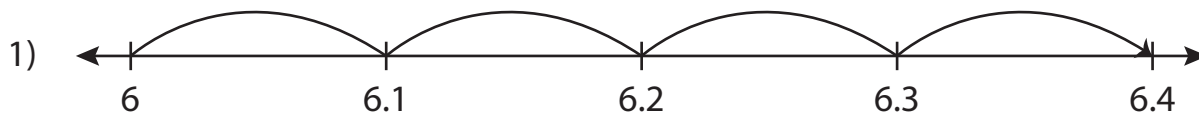


Name : \_\_\_\_\_

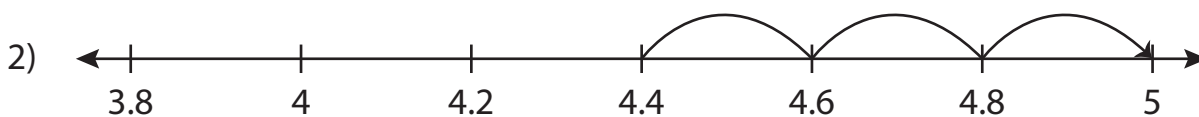
# Number Line Addition

Tenth: S1

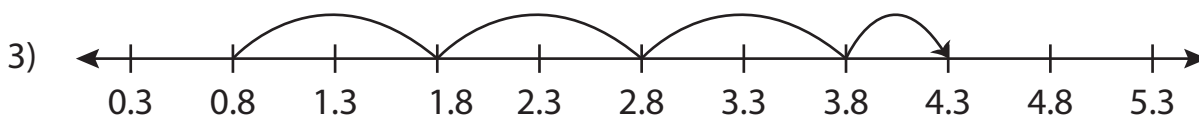
Read each number line and solve the problem.



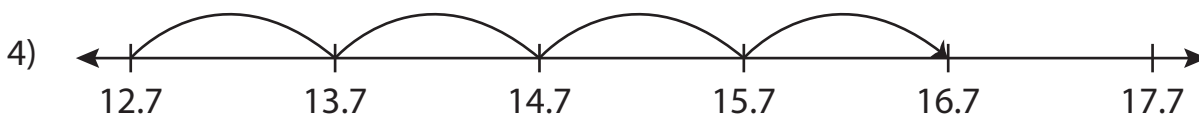
$$6 + 0.4 = \underline{\hspace{2cm}}$$



$$4.4 + 0.6 = \underline{\hspace{2cm}}$$



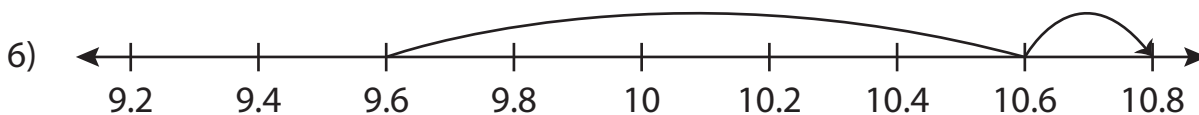
$$0.8 + 3.5 = \underline{\hspace{2cm}}$$



$$12.7 + 4 = \underline{\hspace{2cm}}$$



$$8.2 + 0.8 = \underline{\hspace{2cm}}$$



$$9.6 + 1.2 = \underline{\hspace{2cm}}$$

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

Score : \_\_\_\_\_

# PLACE VALUE

Mixed: S1

Numbers	Hundred Billions	Ten Billions	Billions	Hundred Millions	Ten Millions	Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
611,364,205,987												
85,207,514,034												
1,853,946,713												
487,039,267,156												
94,106,380,841												
7,364,892,200												
248,506,038,169												
56,720,391,008												
8,610,876,905												
300,972,480,342												

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

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

## Subtract Decimals

Subtract each decimal from the given whole number.

$$\begin{array}{r} 1) \quad 61.0 \\ - \quad 6.1 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 2.00 \\ - \quad 0.09 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 57.00 \\ - \quad 32.32 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 614.000 \\ - \quad 40.545 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 16.00 \\ - \quad 0.71 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 70.0 \\ - \quad 0.9 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 550.000 \\ - \quad 6.808 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 633.0 \\ - \quad 3.4 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 653.00 \\ - \quad 47.24 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 339.000 \\ - \quad 61.284 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 40.00 \\ - \quad 9.79 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 40.000 \\ - \quad 5.128 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 889.000 \\ - \quad 57.018 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 206.0 \\ - \quad 4.7 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 72.000 \\ - \quad 9.011 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 937.0 \\ - \quad 27.8 \\ \hline \end{array}$$



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

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

## Subtract Decimals

Subtract each decimal from the given whole number.

$$\begin{array}{r} 1) \quad 61.0 \\ - \quad 6.1 \\ \hline 54.9 \end{array}$$

$$\begin{array}{r} 2) \quad 2.00 \\ - \quad 0.09 \\ \hline 1.91 \end{array}$$

$$\begin{array}{r} 3) \quad 57.00 \\ - \quad 32.32 \\ \hline 24.68 \end{array}$$

$$\begin{array}{r} 4) \quad 614.000 \\ - \quad 40.545 \\ \hline 573.455 \end{array}$$

$$\begin{array}{r} 5) \quad 16.00 \\ - \quad 0.71 \\ \hline 15.29 \end{array}$$

$$\begin{array}{r} 6) \quad 70.0 \\ - \quad 0.9 \\ \hline 69.1 \end{array}$$

$$\begin{array}{r} 7) \quad 550.000 \\ - \quad 6.808 \\ \hline 543.192 \end{array}$$

$$\begin{array}{r} 8) \quad 633.0 \\ - \quad 3.4 \\ \hline 629.6 \end{array}$$

$$\begin{array}{r} 9) \quad 653.00 \\ - \quad 47.24 \\ \hline 605.76 \end{array}$$

$$\begin{array}{r} 10) \quad 339.000 \\ - \quad 61.284 \\ \hline 277.716 \end{array}$$

$$\begin{array}{r} 11) \quad 40.00 \\ - \quad 9.79 \\ \hline 30.21 \end{array}$$

$$\begin{array}{r} 12) \quad 40.000 \\ - \quad 5.128 \\ \hline 34.872 \end{array}$$

$$\begin{array}{r} 13) \quad 889.000 \\ - \quad 57.018 \\ \hline 831.982 \end{array}$$

$$\begin{array}{r} 14) \quad 206.0 \\ - \quad 4.7 \\ \hline 201.3 \end{array}$$

$$\begin{array}{r} 15) \quad 72.000 \\ - \quad 9.011 \\ \hline 62.989 \end{array}$$

$$\begin{array}{r} 16) \quad 937.0 \\ - \quad 27.8 \\ \hline 909.2 \end{array}$$



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

## 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

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

# DIVISIBILITY RULES

A number is divisible by:

2

if its last digit is even (0, 2, 4, 6, 8).

3

if the sum of the digits is divisible by 3.

4

if the last two digits of a number are divisible by 4.

5

if the last digit is either 0 or 5.

6

if the number is divisible by both 2 and 3.

7

if the last digit of the number is doubled and subtracted from the rest of the number and this difference is divisible by 7.

8

if the last three digits of a number are divisible by 8.

9

if the sum of the digits is divisible by 9.

10

if the number ends with 0.

11

if the difference of the alternating sum of digits is a multiple of 11.

12

if the number is divisible by both 3 and 4.

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

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

### Equivalent Fractions

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

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

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

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

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

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

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

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

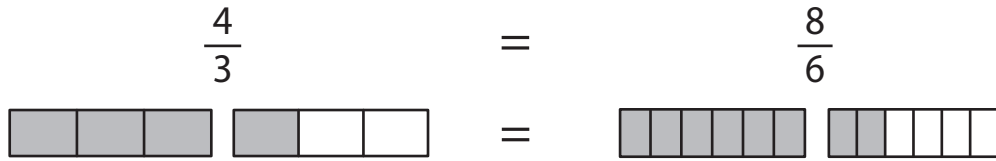
$$9) \quad \frac{3}{4} = \frac{6}{\quad} = \frac{\quad}{12} = \frac{12}{\quad} = \frac{15}{\quad} = \frac{18}{\quad} = \frac{\quad}{28}$$

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

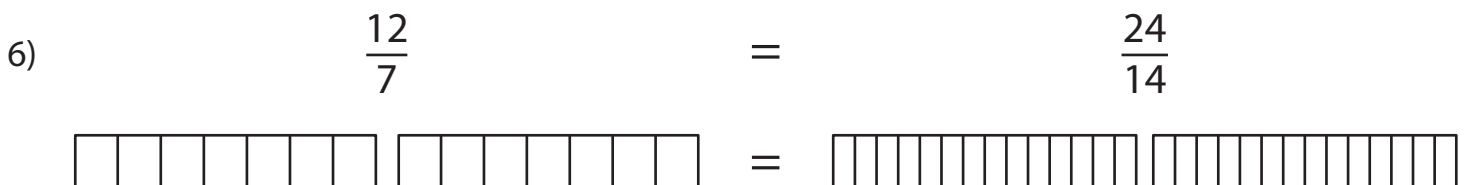
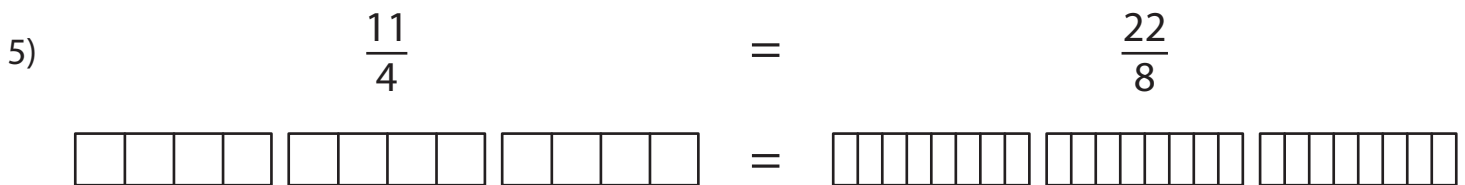
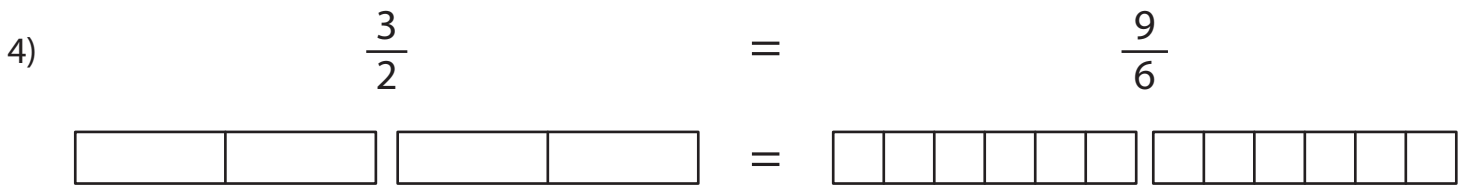
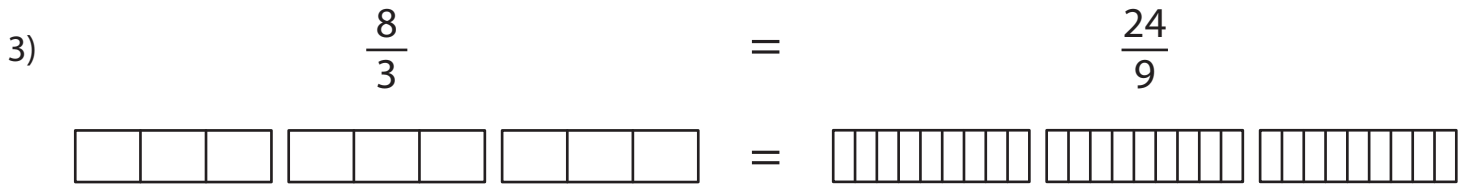
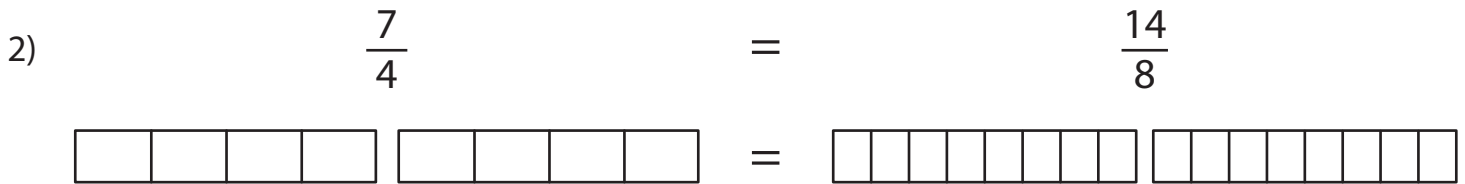
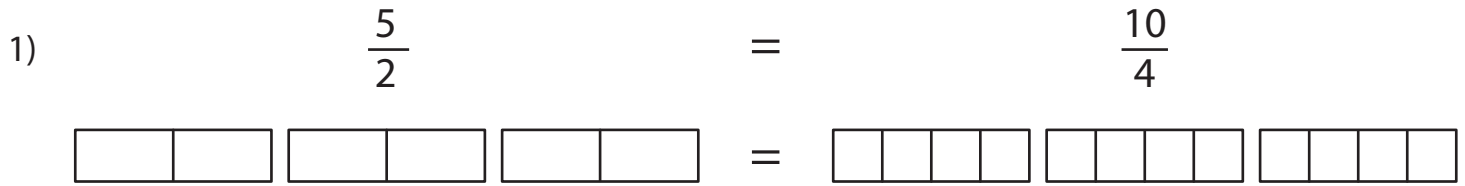
## Equivalent Fractions

Improper Fractions: S1

Example:



Shade the fraction bars for the equivalent improper fractions in each problem.

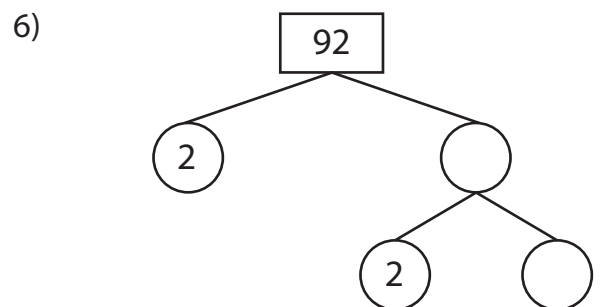
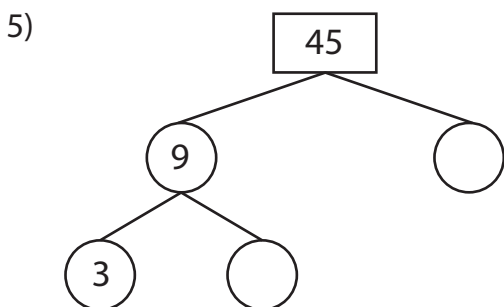
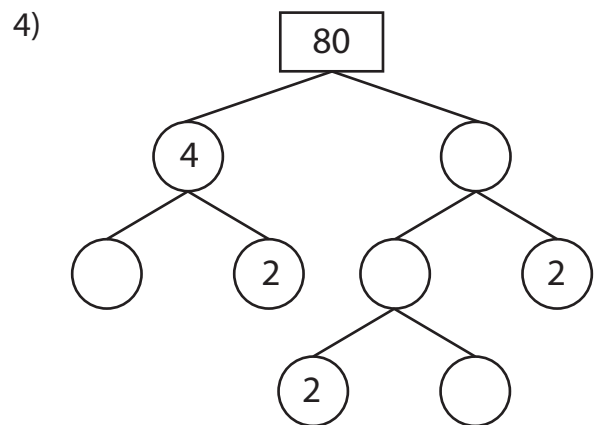
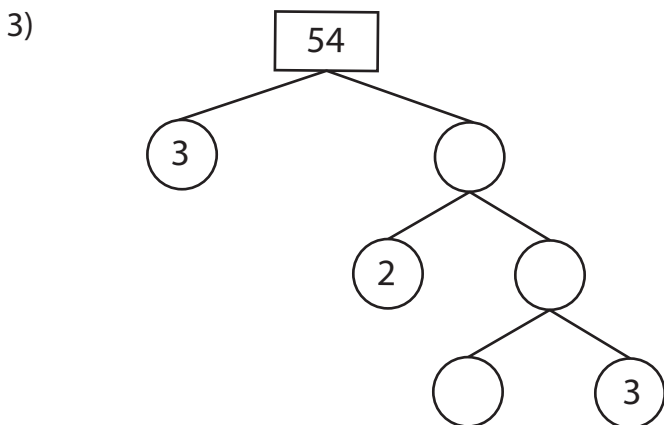
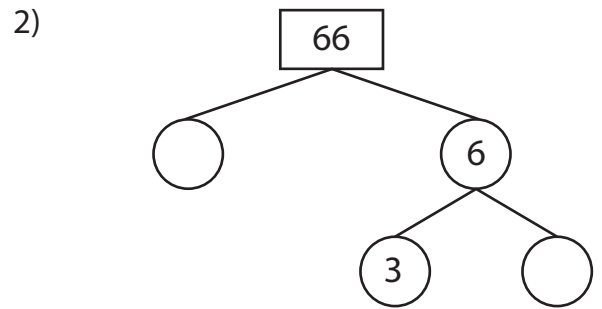
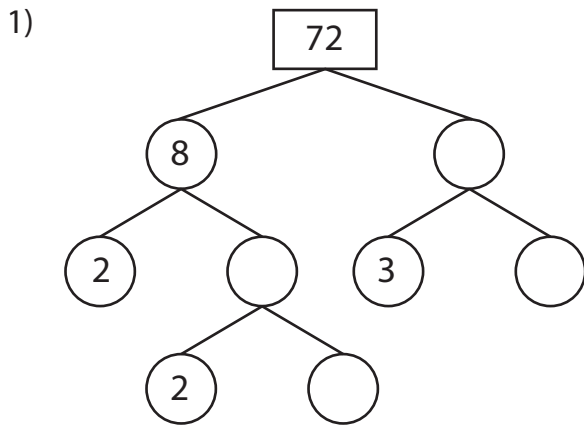




## Prime Factor Tree

MS1

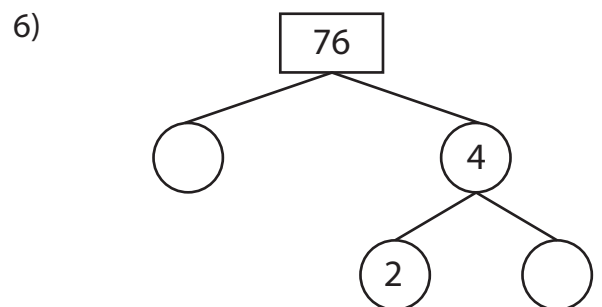
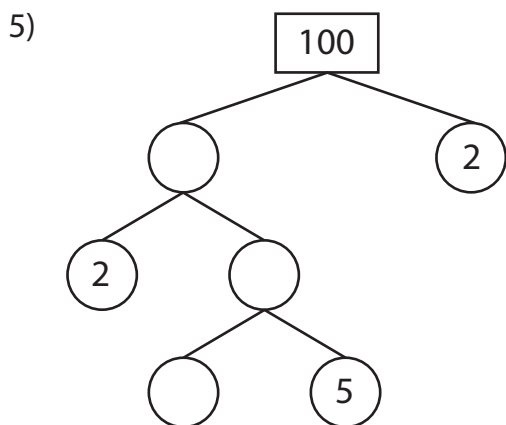
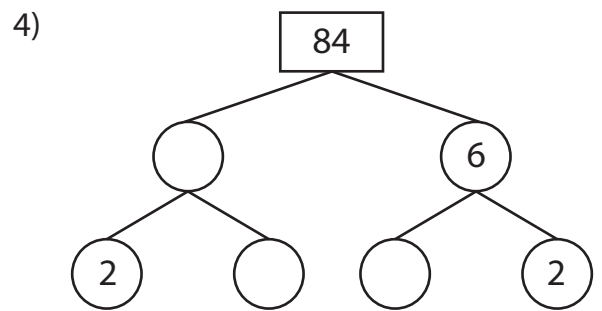
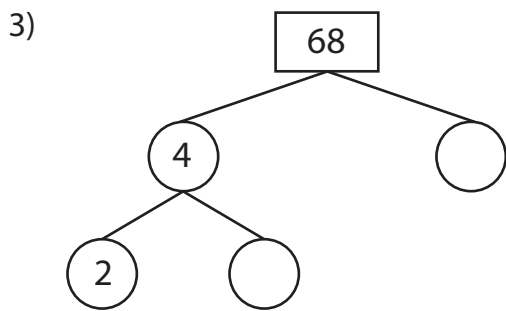
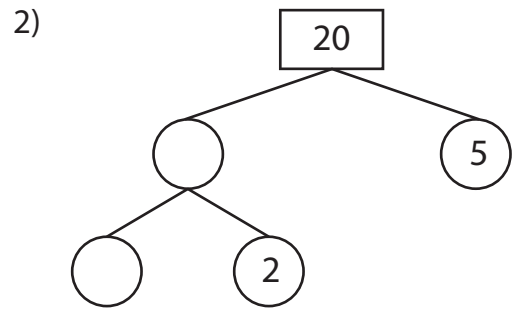
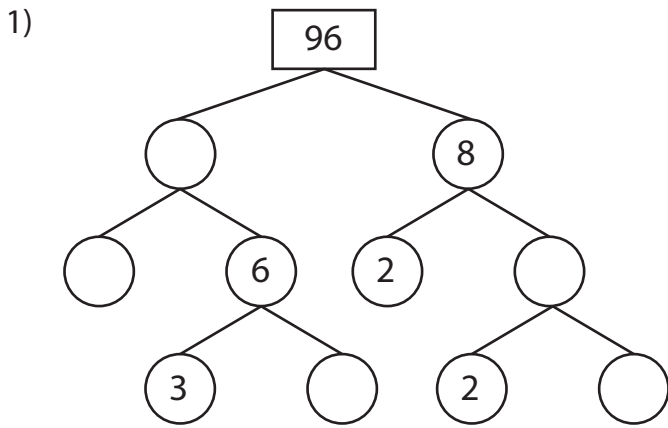
Complete the prime factor tree for each number.



**Prime Factor Tree**

MS2

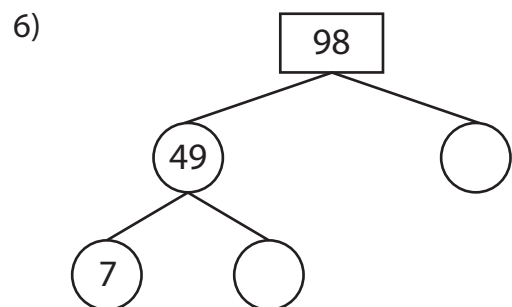
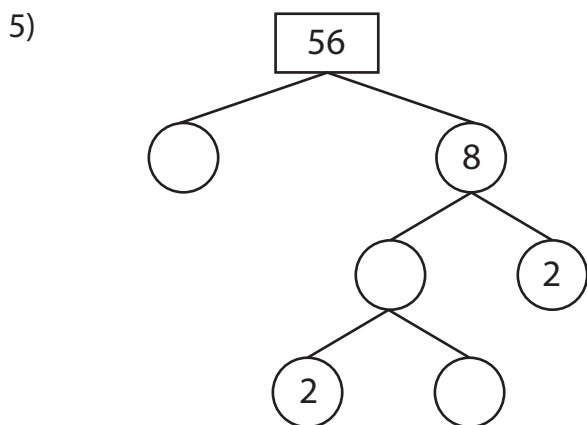
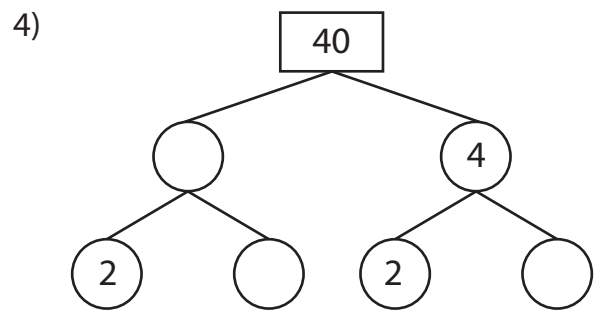
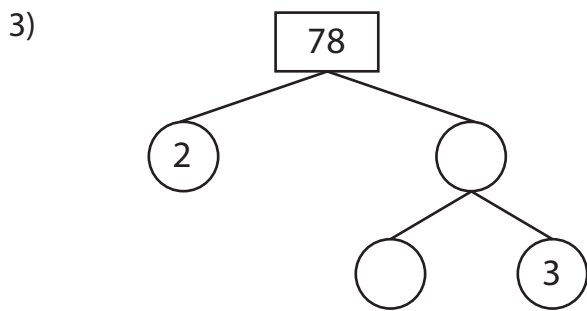
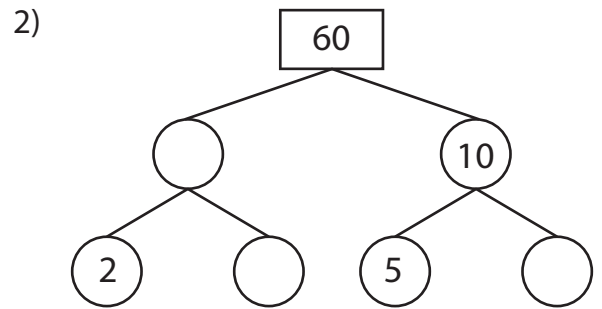
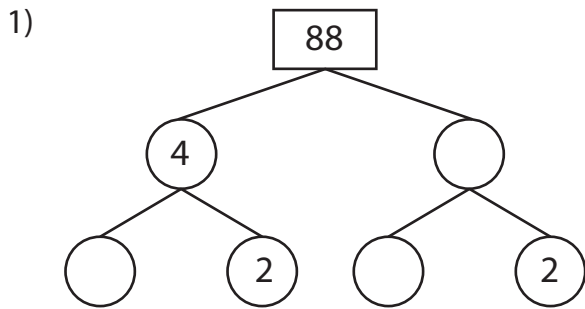
Complete the prime factor tree for each number.



## Prime Factor Tree

MS3

Complete the prime factor tree for each number.



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

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

---

### Adding Fractions

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

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

3)  $\frac{1}{3} + \frac{8}{10} =$

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

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

6)  $\frac{9}{10} + \frac{1}{5} =$

7)  $\frac{4}{5} + \frac{3}{10} =$

8)  $\frac{2}{10} + \frac{3}{4} =$

9)  $\frac{1}{3} + \frac{5}{10} =$

10)  $\frac{1}{5} + \frac{1}{2} =$

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

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

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

## Answer Key

### Adding Mixed Numbers

ES2

$$1) 1\frac{6}{10} + 3\frac{1}{10} = 4\frac{7}{10}$$

$$2) 5\frac{2}{9} + 6\frac{3}{9} = 11\frac{5}{9}$$

$$3) 9\frac{2}{7} + 4\frac{3}{7} = 13\frac{5}{7}$$

$$4) 8\frac{5}{8} + 5\frac{2}{8} = 13\frac{7}{8}$$

$$5) 7\frac{1}{4} + 3\frac{2}{4} = 10\frac{3}{4}$$

$$6) 6\frac{2}{3} + 1\frac{2}{3} = 7\frac{4}{3} = 8\frac{1}{3}$$

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

$$8) 9\frac{3}{7} + 3\frac{3}{7} = 12\frac{6}{7}$$

$$9) 4\frac{6}{9} + 8\frac{2}{9} = 12\frac{8}{9}$$

$$10) 3\frac{10}{11} + 2\frac{9}{11} = 5\frac{19}{11} = 6\frac{8}{11}$$

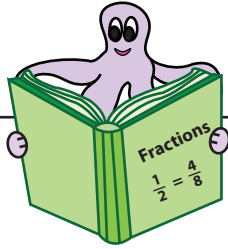
$$11) 5\frac{4}{12} + 2\frac{7}{12} = 7\frac{11}{12}$$

$$12) 6\frac{2}{5} + 4\frac{2}{5} = 10\frac{4}{5}$$

$$13) 1\frac{1}{2} + 3\frac{1}{2} = 4\frac{2}{2} = 5$$

$$14) 7\frac{4}{8} + 8\frac{1}{8} = 15\frac{5}{8}$$

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



## Missing Numbers

ES1

Fill in the missing numbers.

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

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

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

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

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

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

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

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

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

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

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

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

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

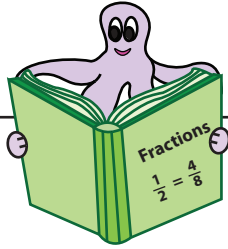
14)  $2 = \frac{\square}{10}$

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

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

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

## Answer Key



### Missing Numbers

ES1

Fill in the missing numbers.

1)  $\frac{3}{4} = \frac{6}{8}$

2)  $\frac{5}{3} = \frac{20}{12}$

3)  $\frac{11}{2} = \frac{33}{6}$

4)  $\frac{35}{25} = \frac{7}{5}$

5)  $\frac{8}{14} = \frac{16}{28}$

6)  $\frac{6}{9} = \frac{24}{36}$

7)  $\frac{40}{15} = \frac{8}{3}$

8)  $\frac{10}{3} = \frac{30}{9}$

9)  $\frac{12}{16} = \frac{6}{8}$

10)  $\frac{4}{7} = \frac{16}{28}$

11)  $3 = \frac{12}{4}$

12)  $\frac{21}{27} = \frac{7}{9}$

13)  $\frac{39}{12} = \frac{13}{4}$

14)  $2 = \frac{20}{10}$

15)  $\frac{3}{6} = \frac{12}{24}$

16)  $\frac{4}{9} = \frac{8}{18}$



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

## Equivalent Fractions

Mul/div: S2

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

$\times$   $\frac{\square}{\square}$   $\rightarrow$

$\times$   $\frac{\square}{\square}$   $\rightarrow$

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

$\times$   $\frac{\square}{\square}$   $\rightarrow$

$\times$   $\frac{\square}{\square}$   $\rightarrow$

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

$\div$   $\frac{\square}{\square}$   $\rightarrow$

$\div$   $\frac{\square}{\square}$   $\rightarrow$

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

$\div$   $\frac{\square}{\square}$   $\rightarrow$

$\div$   $\frac{\square}{\square}$   $\rightarrow$

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

$\times$   $\frac{\square}{\square}$   $\rightarrow$

$\times$   $\frac{\square}{\square}$   $\rightarrow$

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

$\div$   $\frac{\square}{\square}$   $\rightarrow$

$\div$   $\frac{\square}{\square}$   $\rightarrow$

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

$\div$   $\frac{\square}{\square}$   $\rightarrow$

$\div$   $\frac{\square}{\square}$   $\rightarrow$

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

$\times$   $\frac{\square}{\square}$   $\rightarrow$

$\times$   $\frac{\square}{\square}$   $\rightarrow$

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

$\div$   $\frac{\square}{\square}$   $\rightarrow$

$\div$   $\frac{\square}{\square}$   $\rightarrow$

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

$\times$   $\frac{\square}{\square}$   $\rightarrow$

$\times$   $\frac{\square}{\square}$   $\rightarrow$

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

## Answer Key

### Equivalent Fractions

Mul/div: S2

1)  $\frac{5}{2} = \frac{25}{10}$

2)  $\frac{9}{7} = \frac{36}{28}$

3)  $\frac{8}{48} = \frac{1}{6}$

4)  $\frac{24}{42} = \frac{4}{7}$

5)  $\frac{3}{5} = \frac{9}{15}$

6)  $\frac{18}{16} = \frac{9}{8}$

7)  $\frac{14}{49} = \frac{2}{7}$

8)  $\frac{1}{5} = \frac{9}{45}$

9)  $\frac{32}{20} = \frac{8}{5}$

10)  $\frac{4}{3} = \frac{12}{9}$

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

## Making a Whole

Sheet 1

Circle any two fractions that make the sum 1 in each problem.

1)  $\frac{1}{7}$     $\frac{2}{7}$     $\frac{4}{7}$     $\frac{5}{7}$

2)  $\frac{3}{10}$     $\frac{6}{10}$     $\frac{2}{10}$     $\frac{7}{10}$

3)  $\frac{9}{13}$     $\frac{6}{13}$     $\frac{4}{13}$     $\frac{5}{13}$

4)  $\frac{1}{8}$     $\frac{5}{8}$     $\frac{6}{8}$     $\frac{3}{8}$

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

6)  $\frac{14}{20}$     $\frac{5}{20}$     $\frac{12}{20}$     $\frac{6}{20}$

7)  $\frac{9}{12}$     $\frac{4}{12}$     $\frac{5}{12}$     $\frac{8}{12}$

8)  $\frac{7}{9}$     $\frac{3}{9}$     $\frac{6}{9}$     $\frac{1}{9}$

9)  $\frac{9}{16}$     $\frac{6}{16}$     $\frac{8}{16}$     $\frac{7}{16}$

10)  $\frac{11}{19}$     $\frac{8}{19}$     $\frac{9}{19}$     $\frac{12}{19}$

11)  $\frac{3}{8}$     $\frac{7}{8}$     $\frac{1}{8}$     $\frac{6}{8}$

12)  $\frac{8}{14}$     $\frac{5}{14}$     $\frac{4}{14}$     $\frac{9}{14}$

13)  $\frac{12}{18}$     $\frac{8}{18}$     $\frac{7}{18}$     $\frac{10}{18}$

14)  $\frac{15}{17}$     $\frac{4}{17}$     $\frac{14}{17}$     $\frac{2}{17}$

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

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

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

## Converting Improper Fractions and Mixed Numbers

A) Convert each improper fraction to a mixed number.

1)  $\frac{55}{7} =$  \_\_\_\_\_

2)  $\frac{59}{10} =$  \_\_\_\_\_

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

4)  $\frac{13}{5} =$  \_\_\_\_\_

5)  $\frac{41}{12} =$  \_\_\_\_\_

6)  $\frac{9}{2} =$  \_\_\_\_\_

7)  $\frac{67}{8} =$  \_\_\_\_\_

8)  $\frac{25}{9} =$  \_\_\_\_\_

B) Convert each mixed number to an improper fraction.

1)  $8\frac{6}{7} =$  \_\_\_\_\_

2)  $5\frac{5}{6} =$  \_\_\_\_\_

3)  $4\frac{1}{12} =$  \_\_\_\_\_

4)  $5\frac{2}{3} =$  \_\_\_\_\_

5)  $2\frac{1}{4} =$  \_\_\_\_\_

6)  $7\frac{8}{11} =$  \_\_\_\_\_

7)  $4\frac{4}{5} =$  \_\_\_\_\_

8)  $3\frac{1}{2} =$  \_\_\_\_\_

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

## Converting Improper Fractions and Mixed Numbers

A) Convert each improper fraction to a mixed number.

1)  $\frac{75}{8} =$  \_\_\_\_\_

2)  $\frac{33}{4} =$  \_\_\_\_\_

3)  $\frac{48}{11} =$  \_\_\_\_\_

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

5)  $\frac{52}{9} =$  \_\_\_\_\_

6)  $\frac{11}{6} =$  \_\_\_\_\_

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

8)  $\frac{89}{12} =$  \_\_\_\_\_

B) Convert each mixed number to an improper fraction.

1)  $9\frac{2}{3} =$  \_\_\_\_\_

2)  $1\frac{3}{5} =$  \_\_\_\_\_

3)  $1\frac{1}{4} =$  \_\_\_\_\_

4)  $6\frac{4}{11} =$  \_\_\_\_\_

5)  $3\frac{4}{9} =$  \_\_\_\_\_

6)  $8\frac{1}{2} =$  \_\_\_\_\_

7)  $5\frac{7}{10} =$  \_\_\_\_\_

8)  $7\frac{5}{6} =$  \_\_\_\_\_

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

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

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

## Missing Fractions

All fractions: S2

1)  -  $\frac{2}{4}$  =  $6\frac{1}{4}$

2)  $\frac{30}{27}$  -  =  $\frac{17}{27}$

3)  $\frac{24}{12}$  -  =  $\frac{7}{12}$

4)  -  $3\frac{2}{8}$  =  $5\frac{3}{8}$

5)  -  $\frac{2}{5}$  =  $\frac{2}{5}$

6)  $1\frac{9}{10}$  -  =  $1\frac{3}{5}$

7)  $\frac{18}{24}$  -  =  $\frac{5}{24}$

8)  -  $1\frac{8}{15}$  =  $8\frac{2}{5}$

9)  -  $\frac{12}{16}$  =  $4\frac{3}{16}$

10)  $\frac{21}{14}$  -  =  $\frac{6}{7}$

11)  $8\frac{2}{3}$  -  = 8

12)  -  $\frac{5}{6}$  =  $\frac{1}{3}$

13)  -  $\frac{2}{9}$  =  $\frac{2}{3}$

14)  $\frac{34}{30}$  -  =  $\frac{11}{30}$



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

## Missing Fractions

All fractions: S3

1)  -  $1\frac{2}{12}$  =  $7\frac{5}{12}$

2)  $\frac{7}{9}$  -  =  $\frac{2}{9}$

3)  $\frac{8}{4}$  -  =  $\frac{5}{4}$

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

5)  -  $\frac{15}{25}$  =  $\frac{14}{25}$

6)  $7\frac{8}{10}$  -  =  $4\frac{1}{10}$

7)  $3\frac{14}{16}$  -  =  $3\frac{1}{16}$

8)  -  $\frac{6}{5}$  =  $\frac{2}{5}$

9)  -  $\frac{1}{7}$  =  $\frac{4}{7}$

10)  $\frac{23}{21}$  -  =  $\frac{1}{3}$

11)  -  $\frac{10}{14}$  =  $7\frac{3}{14}$

12)  -  $1\frac{4}{6}$  =  $5\frac{1}{6}$

13)  $\frac{26}{20}$  -  =  $\frac{9}{20}$

14)  $\frac{11}{8}$  -  =  $\frac{1}{2}$

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

## Missing Fractions

All fractions: S4

1)  -  $\frac{4}{15}$  =  $\frac{1}{3}$

2)  $7\frac{17}{19}$  -  =  $7\frac{9}{19}$

3)  $\frac{11}{2}$  -  = 4

4)  -  $\frac{6}{5}$  =  $2\frac{3}{5}$

5)  -  $2\frac{11}{18}$  =  $4\frac{1}{3}$

6)  $\frac{19}{11}$  -  =  $\frac{9}{11}$

7)  $8\frac{7}{9}$  -  =  $5\frac{5}{9}$

8)  -  $\frac{2}{3}$  =  $\frac{5}{3}$

9)  -  $\frac{5}{14}$  =  $2\frac{3}{7}$

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

11)  $\frac{5}{6}$  -  =  $\frac{2}{3}$

12)  -  $\frac{8}{7}$  =  $\frac{1}{7}$

13)  $\frac{19}{12}$  -  =  $\frac{2}{3}$

14)  -  $1\frac{2}{17}$  =  $\frac{6}{17}$

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

## Missing Fractions

All fractions: S5

1)  $5\frac{5}{6} - \square = 4\frac{2}{3}$

2)  $\square - \frac{11}{16} = \frac{1}{4}$

3)  $8\frac{17}{18} - \square = 4\frac{2}{9}$

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

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

6)  $\square - 1\frac{4}{15} = \frac{4}{15}$

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

8)  $\frac{19}{10} - \square = \frac{1}{5}$

9)  $\frac{16}{17} - \square = \frac{6}{17}$

10)  $\square - \frac{5}{4} = 1$

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

12)  $\square - 1\frac{3}{11} = 4\frac{5}{11}$

13)  $\square - 2\frac{5}{13} = \frac{6}{13}$

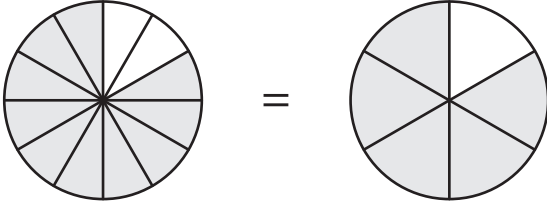
14)  $\frac{7}{5} - \square = \frac{4}{5}$

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

## Simplifying Fractions Using Models

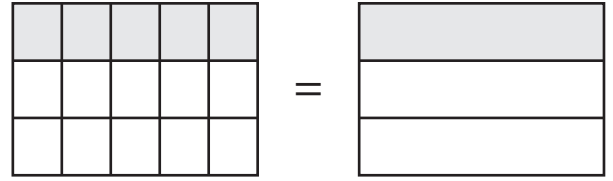
Simplify each fraction using the given models.

1)



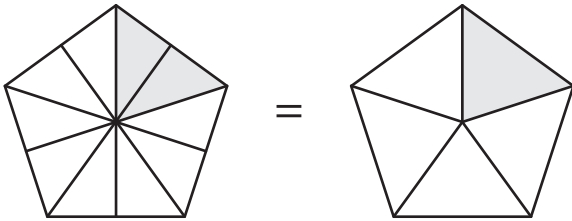
$$\frac{10}{12} = \frac{\square}{\square}$$

2)



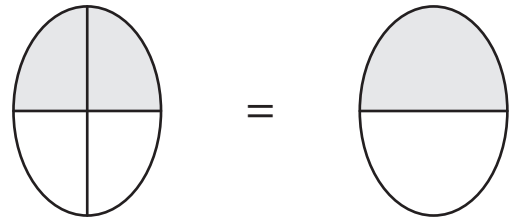
$$\frac{5}{15} = \frac{\square}{\square}$$

3)



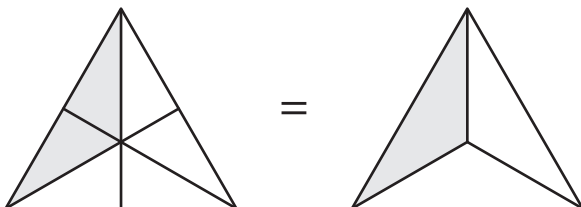
$$\frac{2}{10} = \frac{\square}{\square}$$

4)



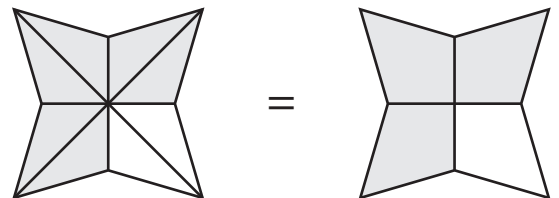
$$\frac{2}{4} = \frac{\square}{\square}$$

5)



$$\frac{2}{6} = \frac{\square}{\square}$$

6)



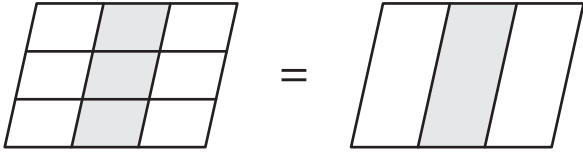
$$\frac{6}{8} = \frac{\square}{\square}$$

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

## Simplifying Fractions Using Models

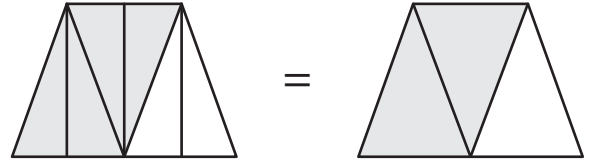
Simplify each fraction using the given models.

1)



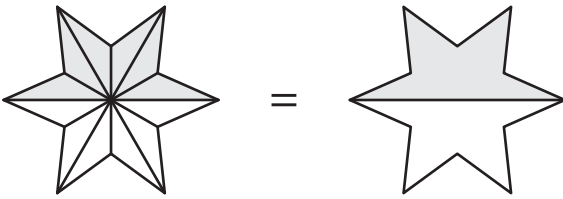
$$\frac{3}{9} = \frac{\square}{\square}$$

2)



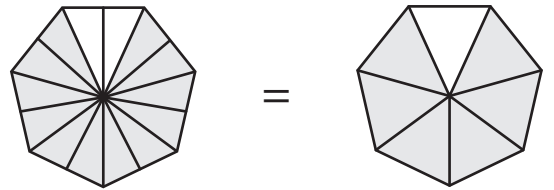
$$\frac{4}{6} = \frac{\square}{\square}$$

3)



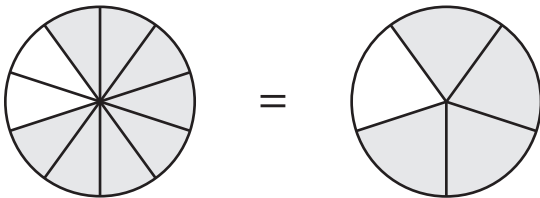
$$\frac{6}{12} = \frac{\square}{\square}$$

4)



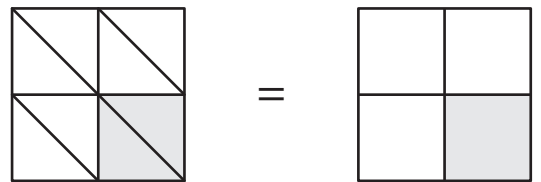
$$\frac{12}{14} = \frac{\square}{\square}$$

5)



$$\frac{8}{10} = \frac{\square}{\square}$$

6)

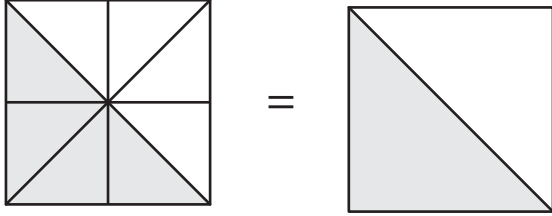


$$\frac{2}{8} = \frac{\square}{\square}$$

## Simplifying Fractions Using Models

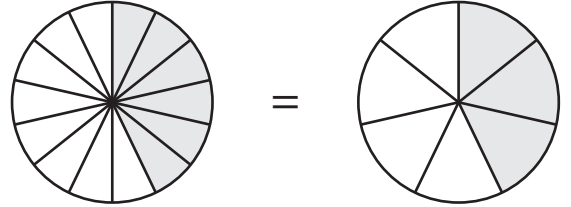
Simplify each fraction using the given models.

1)



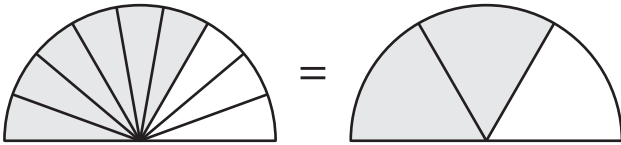
$$\frac{4}{8} = \frac{\square}{\square}$$

2)



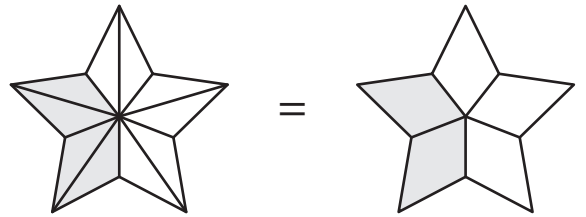
$$\frac{6}{14} = \frac{\square}{\square}$$

3)



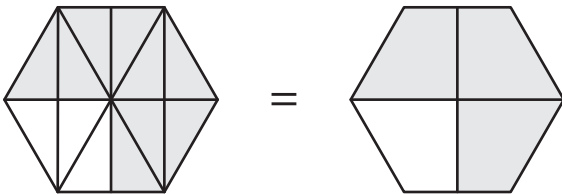
$$\frac{6}{9} = \frac{\square}{\square}$$

4)



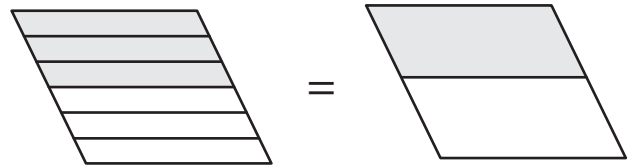
$$\frac{4}{10} = \frac{\square}{\square}$$

5)



$$\frac{9}{12} = \frac{\square}{\square}$$

6)



$$\frac{3}{6} = \frac{\square}{\square}$$

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

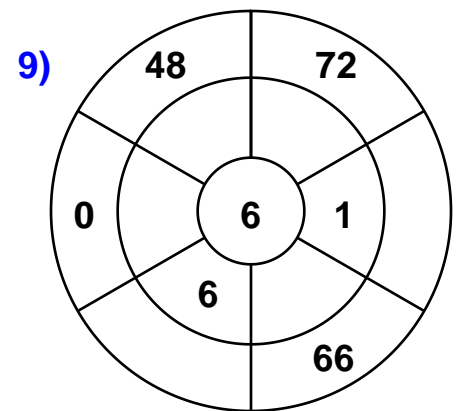
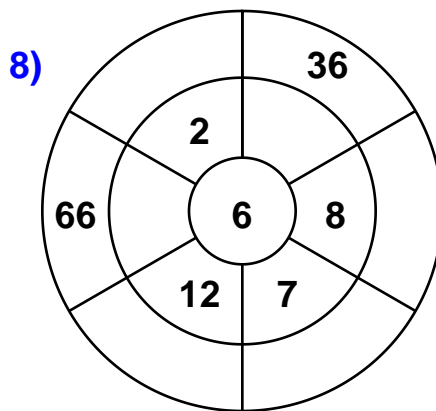
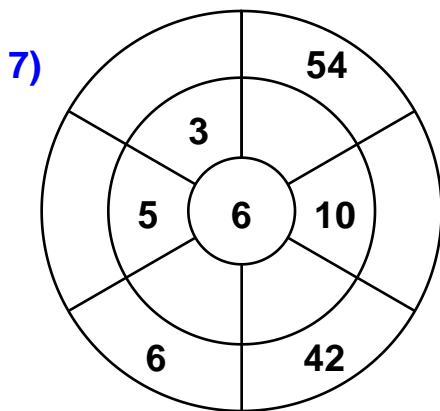
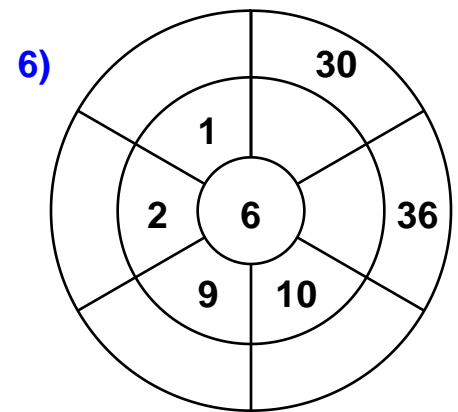
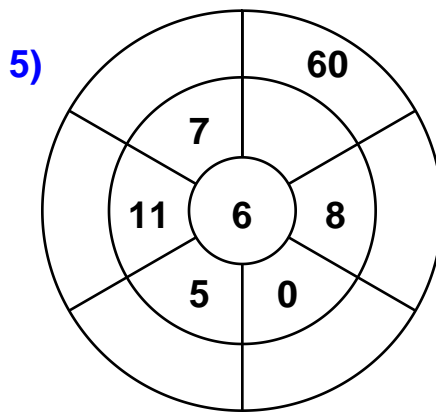
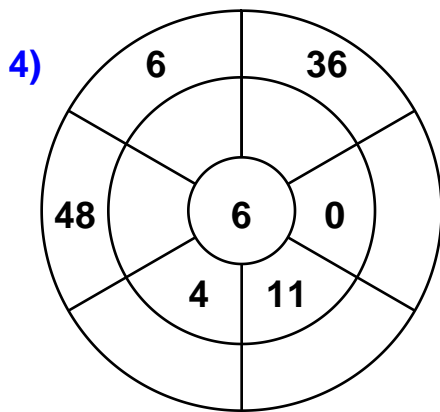
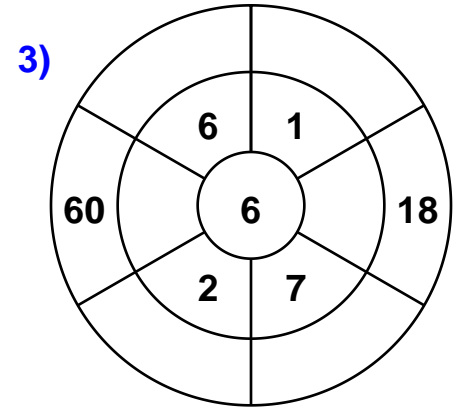
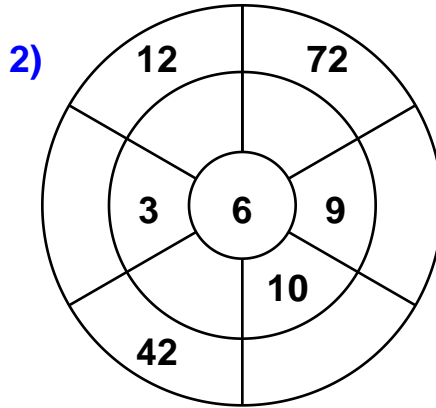
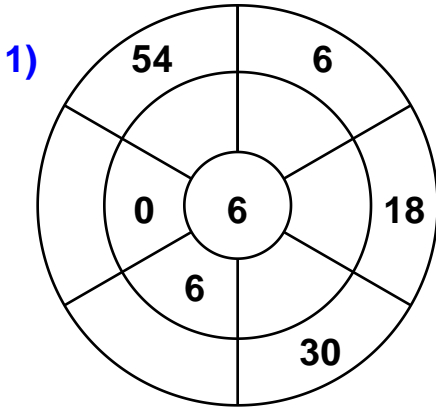
Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

### 6 Times Table - Target Circles

Complete the circle by multiplying the number in the center by the middle ring to get the outer numbers.



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

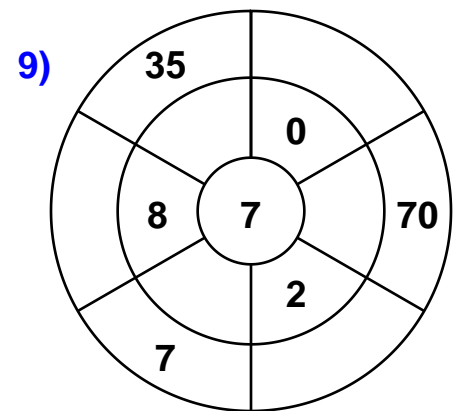
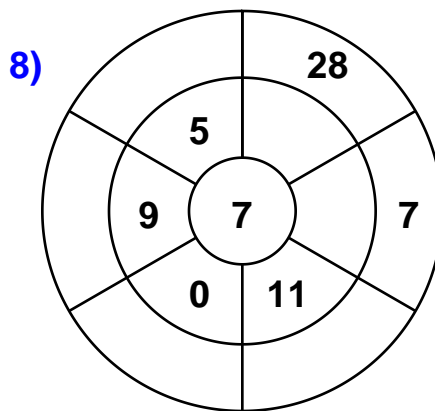
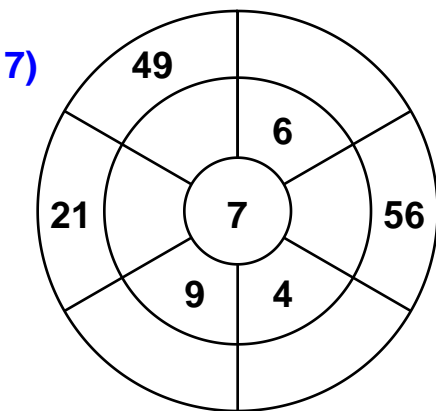
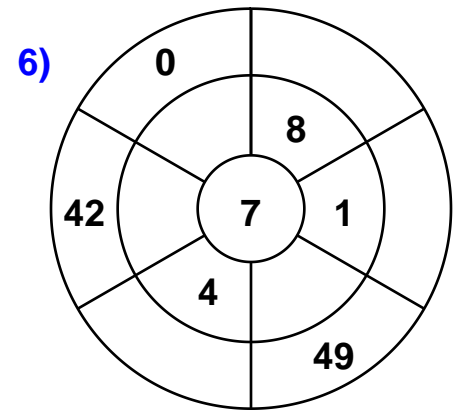
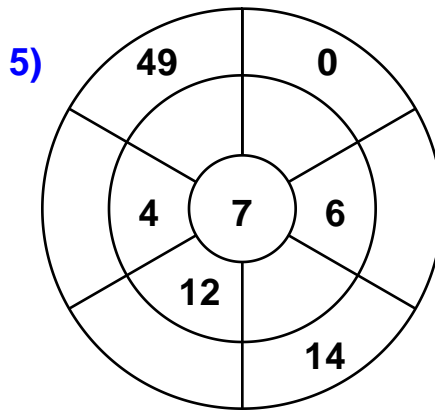
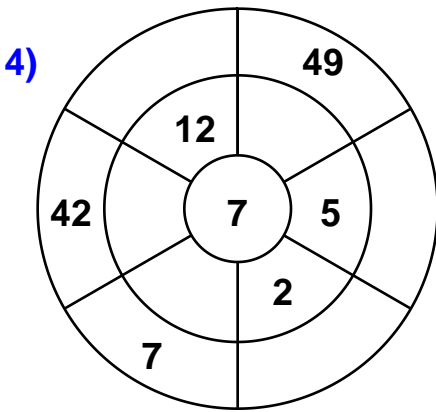
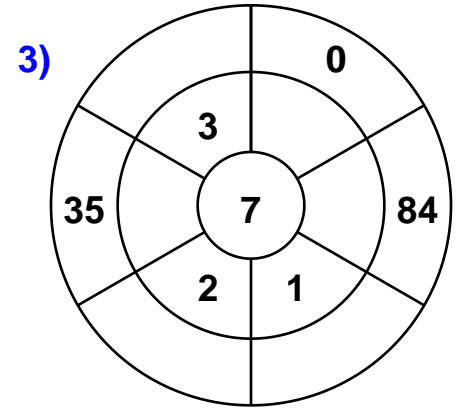
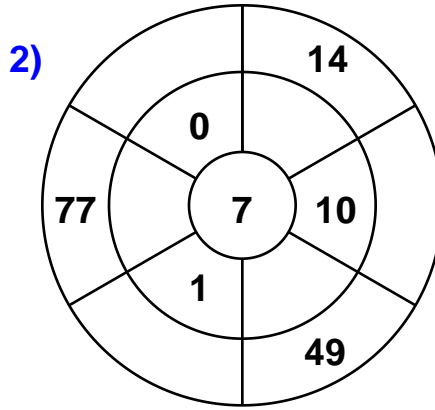
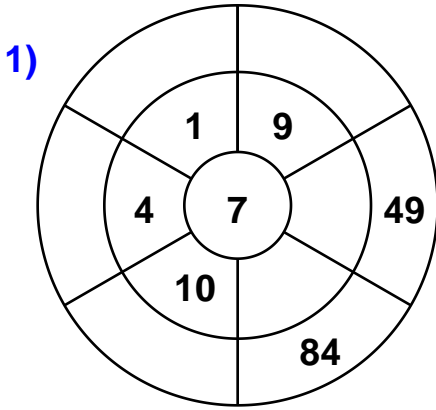
Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

### 7 Times Table - Target Circles

Complete the circle by multiplying the number in the center by the middle ring to get the outer numbers.





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

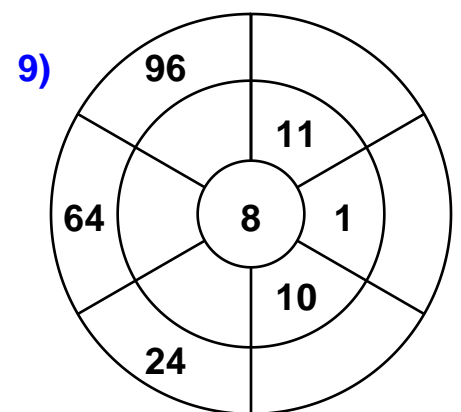
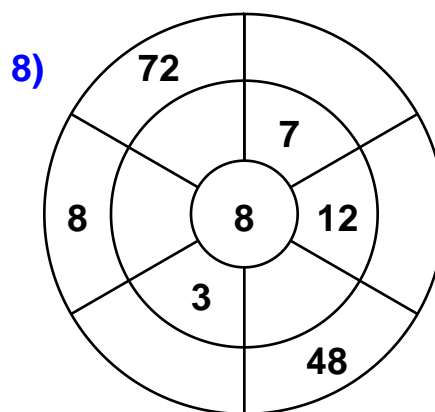
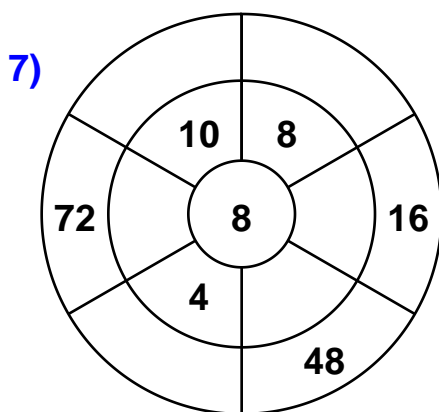
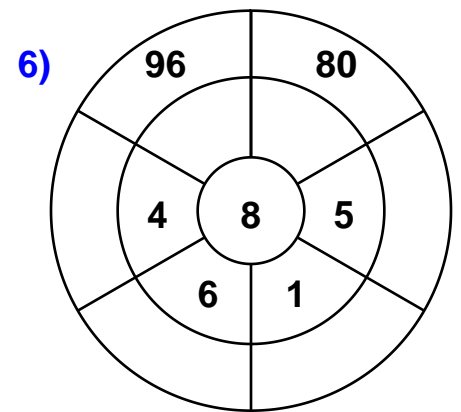
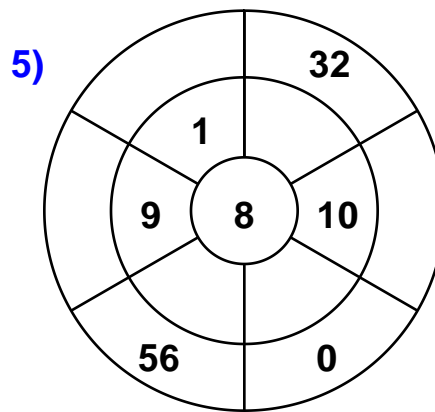
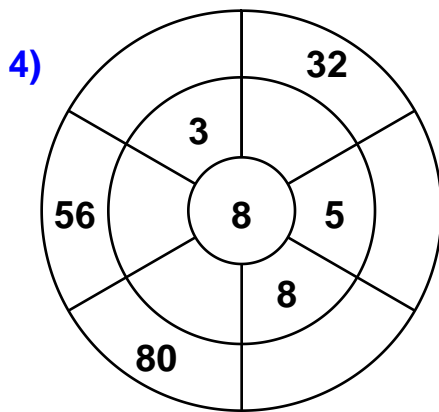
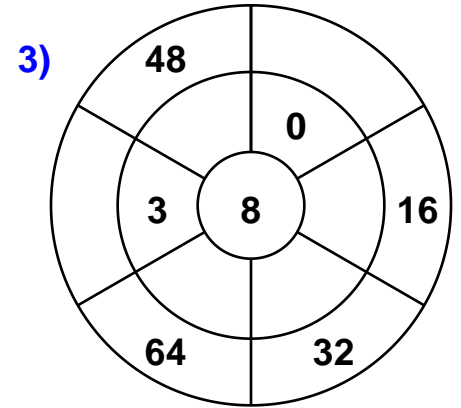
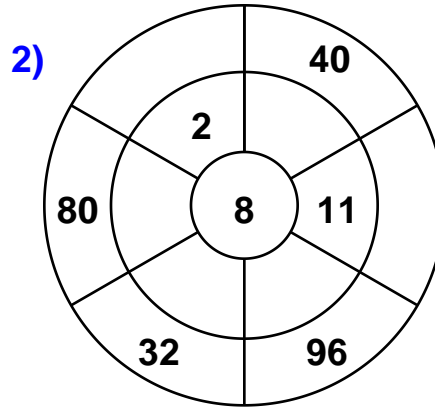
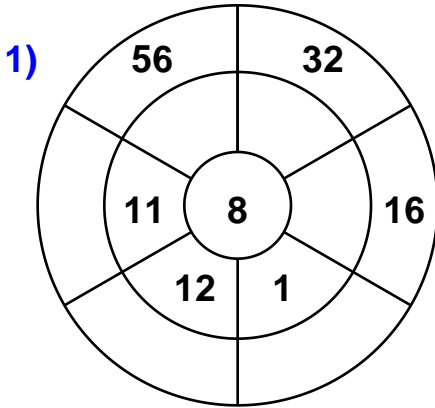
Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

## 8 Times Table - Target Circles

Complete the circle by multiplying the number in the center by the middle ring to get the outer numbers.



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

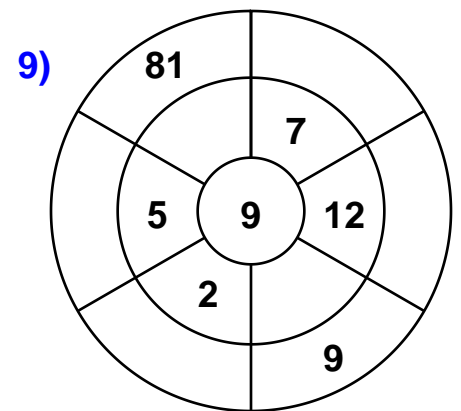
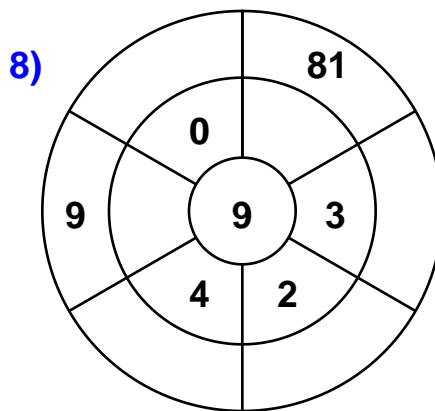
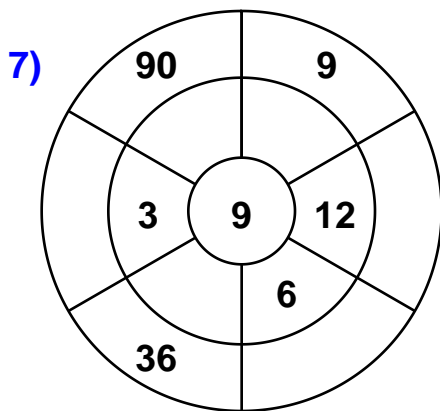
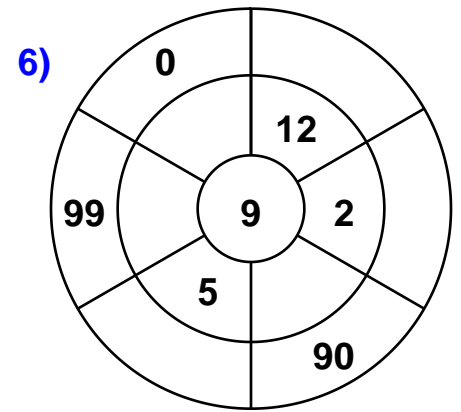
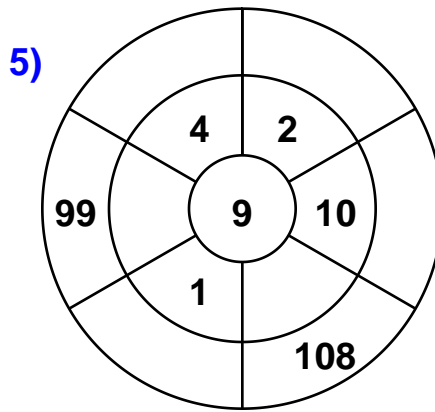
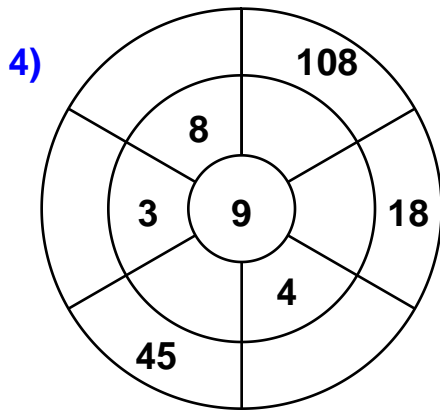
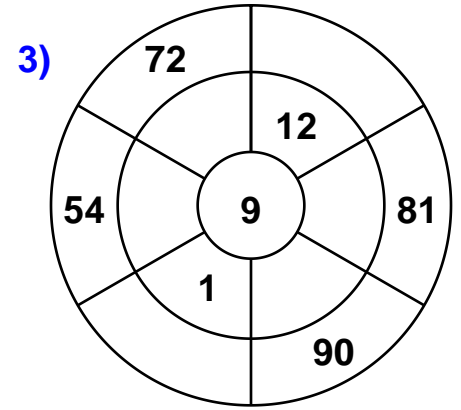
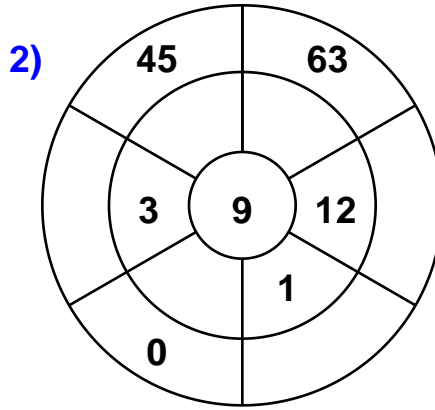
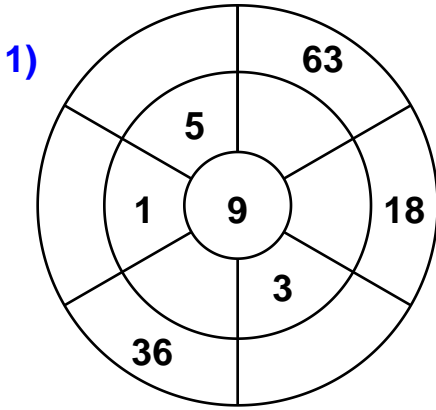
Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

## 9 Times Table - Target Circles

Complete the circle by multiplying the number in the center by the middle ring to get the outer numbers.



# Multiplying by Positive Powers of Ten (A)

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

Date: \_\_\_\_\_

Multiply each number by positive powers of ten.

$8 \times 1 =$

$8 \times 10 =$

$8 \times 100 =$

$8 \times 1000 =$

$8 \times 10,000 =$

$9 \times 1 =$

$9 \times 10 =$

$9 \times 100 =$

$9 \times 1000 =$

$9 \times 10,000 =$

$5 \times 1 =$

$5 \times 10 =$

$5 \times 100 =$

$5 \times 1000 =$

$5 \times 10,000 =$

$1 \times 1 =$

$1 \times 10 =$

$1 \times 100 =$

$1 \times 1000 =$

$1 \times 10,000 =$

$3 \times 1 =$

$3 \times 10 =$

$3 \times 100 =$

$3 \times 1000 =$

$3 \times 10,000 =$

$6 \times 1 =$

$6 \times 10 =$

$6 \times 100 =$

$6 \times 1000 =$

$6 \times 10,000 =$

$7 \times 1 =$

$7 \times 10 =$

$7 \times 100 =$

$7 \times 1000 =$

$7 \times 10,000 =$

$2 \times 1 =$

$2 \times 10 =$

$2 \times 100 =$

$2 \times 1000 =$

$2 \times 10,000 =$

$4 \times 1 =$

$4 \times 10 =$

$4 \times 100 =$

$4 \times 1000 =$

$4 \times 10,000 =$

$10 \times 1 =$

$10 \times 10 =$

$10 \times 100 =$

$10 \times 1000 =$

$10 \times 10,000 =$

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

## Decimal Addition - Tenths

L1S1

$$\begin{array}{r} 1) \quad 0.3 \\ + 0.1 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 0.5 \\ + 0.7 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 0.2 \\ + 0.3 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 0.5 \\ + 0.2 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 0.1 \\ + 0.4 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 0.3 \\ + 0.6 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 0.4 \\ + 0.6 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 0.8 \\ + 0.3 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 0.5 \\ + 0.1 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 0.7 \\ + 0.9 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 0.2 \\ + 0.6 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 0.4 \\ + 0.8 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 0.2 \\ + 0.8 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 0.9 \\ + 0.1 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 0.6 \\ + 0.5 \\ \hline \end{array}$$

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

## Decimal Addition - Tenths

L1S2

$$\begin{array}{r} 1) \quad 0.8 \\ + 0.4 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 0.6 \\ + 0.3 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 0.1 \\ + 0.2 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 0.8 \\ + 0.9 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 0.7 \\ + 0.5 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 0.5 \\ + 0.6 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 0.9 \\ + 0.3 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 0.2 \\ + 0.4 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 0.3 \\ + 0.4 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 0.4 \\ + 0.2 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 0.1 \\ + 0.7 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 0.9 \\ + 0.8 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 0.5 \\ + 0.8 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 0.4 \\ + 0.1 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 0.2 \\ + 0.9 \\ \hline \end{array}$$

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

## Decimal Addition - Tenths

L1S3

$$\begin{array}{r} 1) \quad 0.7 \\ + 0.2 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 0.4 \\ + 0.3 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 0.6 \\ + 0.9 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 0.9 \\ + 0.4 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 0.6 \\ + 0.8 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 0.2 \\ + 0.5 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 0.8 \\ + 0.1 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 0.9 \\ + 0.2 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 0.3 \\ + 0.7 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 0.5 \\ + 0.3 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 0.7 \\ + 0.1 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 0.4 \\ + 0.9 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 0.1 \\ + 0.9 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 0.8 \\ + 0.6 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 0.5 \\ + 0.4 \\ \hline \end{array}$$

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

## Decimal Addition - Tenths

L1S4

$$\begin{array}{r} 1) \quad 0.4 \\ + 0.2 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 0.1 \\ + 0.9 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 0.6 \\ + 0.4 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 0.3 \\ + 0.1 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 0.8 \\ + 0.7 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 0.5 \\ + 0.3 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 0.9 \\ + 0.6 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 0.2 \\ + 0.5 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 0.7 \\ + 0.8 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 0.1 \\ + 0.2 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 0.3 \\ + 0.4 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 0.9 \\ + 0.7 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 0.6 \\ + 0.3 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 0.4 \\ + 0.1 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 0.2 \\ + 0.9 \\ \hline \end{array}$$

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

## Decimal Addition - Tenths

L1S5

$$\begin{array}{r} 1) \quad 0.8 \\ + 0.3 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 0.2 \\ + 0.6 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 0.5 \\ + 0.2 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 0.1 \\ + 0.5 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 0.3 \\ + 0.1 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 0.7 \\ + 0.8 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 0.2 \\ + 0.1 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 0.4 \\ + 0.4 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 0.6 \\ + 0.9 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 0.5 \\ + 0.7 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 0.1 \\ + 0.5 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 0.2 \\ + 0.3 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 0.3 \\ + 0.6 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 0.7 \\ + 0.2 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 0.9 \\ + 0.8 \\ \hline \end{array}$$



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)  $803.7 - 691.4$

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

## Decimal Subtraction - Tenths

L2S2

Line up the decimals in vertical form and subtract.

1)  $636.8 - 54.7$

2)  $470.1 - 269.3$

3)  $9.1 - 7.9$

4)  $420.1 - 3.2$

5)  $92.6 - 18.7$

6)  $65.3 - 9.5$

7)  $305.6 - 281.9$

8)  $86.4 - 3.5$

9)  $551.7 - 20.4$

10)  $7.3 - 6.4$

11)  $601.2 - 54.8$

12)  $39.5 - 34.8$

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

## Decimal Subtraction - Tenths

L2S3

Line up the decimals in vertical form and subtract.

1)  $812.3 - 734.6$

2)  $250.9 - 97.1$

3)  $638.5 - 407.9$

4)  $38.4 - 19.1$

5)  $573.2 - 6.4$

6)  $9.7 - 0.8$

7)  $93.2 - 65.7$

8)  $181.7 - 84.5$

9)  $85.1 - 26.1$

10)  $486.7 - 240.5$

11)  $8.6 - 0.9$

12)  $210.8 - 52.6$

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

## Decimal Subtraction - Tenths

L2S4

Line up the decimals in vertical form and subtract.

1)  $369.4 - 158.2$

2)  $914.6 - 732.5$

3)  $8.4 - 2.1$

4)  $657.3 - 209.3$

5)  $590.1 - 93.7$

6)  $43.2 - 16.7$

7)  $593.4 - 38.5$

8)  $75.3 - 2.4$

9)  $208.5 - 6.7$

10)  $140.5 - 71.2$

11)  $81.5 - 47.6$

12)  $792.6 - 480.3$

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

## Decimal Subtraction - Tenths

L2S5

Line up the decimals in vertical form and subtract.

1)  $701.2 - 623.5$

2)  $847.5 - 59.3$

3)  $7.5 - 6.8$

4)  $6.7 - 0.2$

5)  $297.6 - 48.9$

6)  $14.2 - 8.1$

7)  $82.9 - 54.6$

8)  $24.8 - 1.6$

9)  $410.1 - 9.3$

10)  $375.8 - 139.4$

11)  $92.4 - 8.5$

12)  $61.2 - 23.7$