

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 : _____

Multiplying Decimals by Powers of Ten

Pattern: S1

1) $12.5 \times 10 =$ _____

2) $4.592 \times 10 =$ _____

$12.5 \times 100 =$ _____

$4.592 \times 100 =$ _____

$12.5 \times 1,000 =$ _____

$4.592 \times 1,000 =$ _____

3) $0.02 \times 10 =$ _____

4) $86.69 \times 10 =$ _____

$0.02 \times 100 =$ _____

$86.69 \times 100 =$ _____

$0.02 \times 1,000 =$ _____

$86.69 \times 1,000 =$ _____

5) $1.17 \times 10 =$ _____

6) $3.85 \times 10 =$ _____

$1.17 \times 100 =$ _____

$3.85 \times 100 =$ _____

$1.17 \times 1,000 =$ _____

$3.85 \times 1,000 =$ _____

7) $6.6 \times 10 =$ _____

8) $0.74 \times 10 =$ _____

$6.6 \times 100 =$ _____

$0.74 \times 100 =$ _____

$6.6 \times 1,000 =$ _____

$0.74 \times 1,000 =$ _____

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Division

Sheet 1

Divide and verify your answer.

1)

$$92 \overline{) 4, 876}$$

2)

$$56 \overline{) 7, 577}$$

3)

$$49 \overline{) 1, 202}$$

4)

$$81 \overline{) 8, 910}$$

5)

$$28 \overline{) 5, 804}$$

6)

$$14 \overline{) 3, 298}$$

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Solve each division problem. Write out any remainders in decimal form.

$$4 \overline{)2.80}$$

$$2 \overline{)2.21}$$

$$6 \overline{)8.65}$$

$$7 \overline{)5.39}$$

$$2 \overline{)9.95}$$

$$3 \overline{)4.71}$$

$$8 \overline{)7.92}$$

$$8 \overline{)1.28}$$

$$8 \overline{)9.28}$$

$$9 \overline{)6.21}$$

$$4 \overline{)1.13}$$

$$6 \overline{)8.46}$$

$$3 \overline{)9.97}$$

$$4 \overline{)3.32}$$

$$2 \overline{)7.43}$$

$$3 \overline{)1.62}$$

$$7 \overline{)2.94}$$

$$9 \overline{)6.93}$$

$$7 \overline{)5.29}$$

$$9 \overline{)8.09}$$

$$5 \overline{)8.38}$$

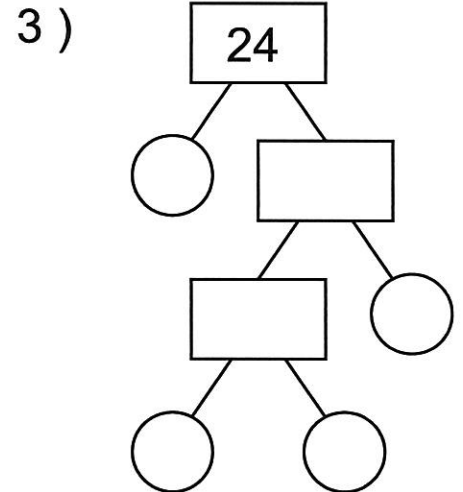
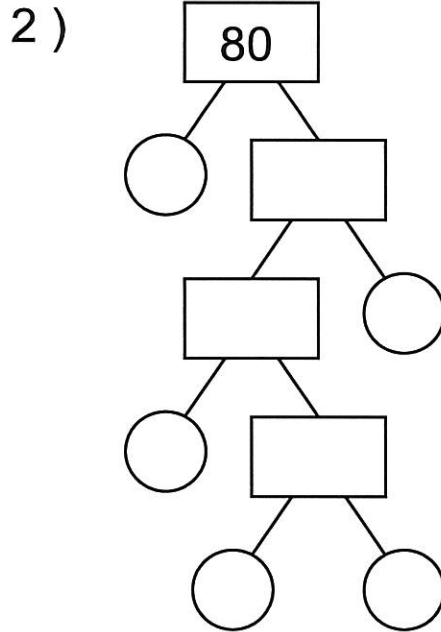
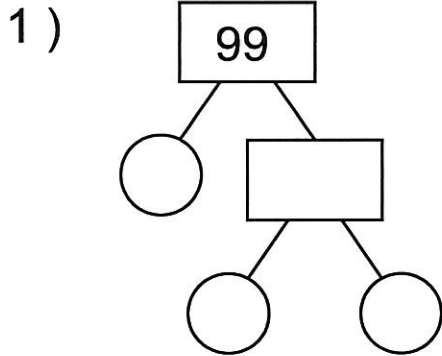
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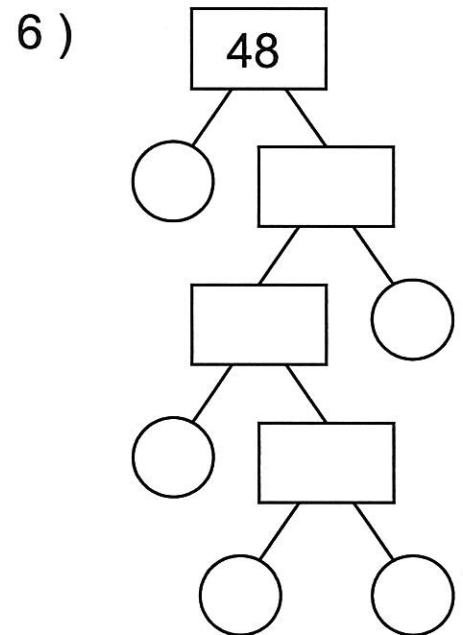
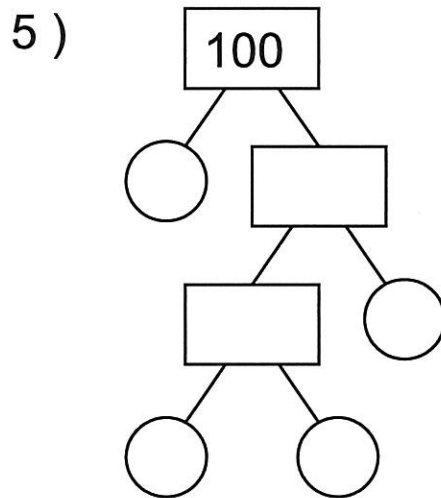
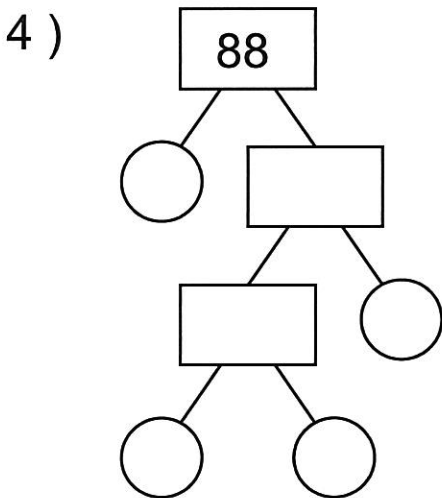
Find the Prime Factors of the Numbers



Prime Factors
_ x _ x _ = 99

Prime Factors
_ x _ x _ x _ = 80

Prime Factors
_ x _ x _ x _ = 24



Prime Factors
_ x _ x _ x _ = 88

Prime Factors
_ x _ x _ x _ = 100

Prime Factors
_ x _ x _ x _ x _ = 48

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Dividing Fractions

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

2) $\frac{2}{10} \div \frac{2}{3} =$

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

4) $\frac{1}{2} \div \frac{8}{10} =$

5) $\frac{6}{10} \div \frac{4}{5} =$

6) $\frac{1}{3} \div \frac{2}{4} =$

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

8) $\frac{3}{10} \div \frac{1}{2} =$

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

10) $\frac{7}{10} \div \frac{3}{5} =$

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Dividing Fractions and Whole Numbers

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

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

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

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

5) $7 \div \frac{1}{2} =$

6) $\frac{2}{3} \div 9 =$

7) $3 \div \frac{2}{3} =$

8) $10 \div \frac{1}{2} =$

9) $\frac{2}{4} \div 2 =$

10) $\frac{2}{3} \div 8 =$

11) $\frac{1}{10} \div 6 =$

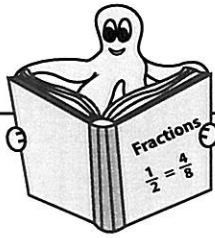
12) $7 \div \frac{3}{4} =$

13) $\frac{2}{3} \div 10 =$

14) $7 \div \frac{3}{4} =$

15) $\frac{2}{5} \div 4 =$

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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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Parentheses in PEMDAS

L1ES1

Solve.

1) $(5 + 17) \div 11$

Ans =

2) $5 \times (26 - 13)$

Ans =

3) $48 \div (14 - 12)$

Ans =

4) $(12 + 7) \times 2$

Ans =

5) $(11 \times 6) + 14$

Ans =

6) $78 - (27 \div 9)$

Ans =

7) $80 \div (6 + 4)$

Ans =

8) $(18 \times 3) - 21$

Ans =

9) $(37 + 6) \times 2$

Ans =

10) $12 - (56 \div 7)$

Ans =

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Rounding Decimals

T2S1

	Decimal number	Round to the nearest whole number	Round to the nearest tenth	Round to the nearest hundredth
1)	54.285			
2)	7.69			
3)	19.711			
4)	9.003			
5)	4.6			
6)	81.644			
7)	2.529			
8)	57.407			
9)	3.192			
10)	67.038			