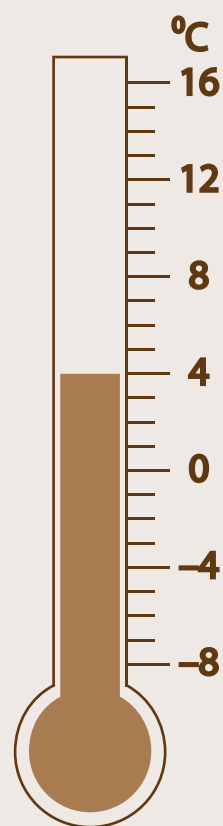
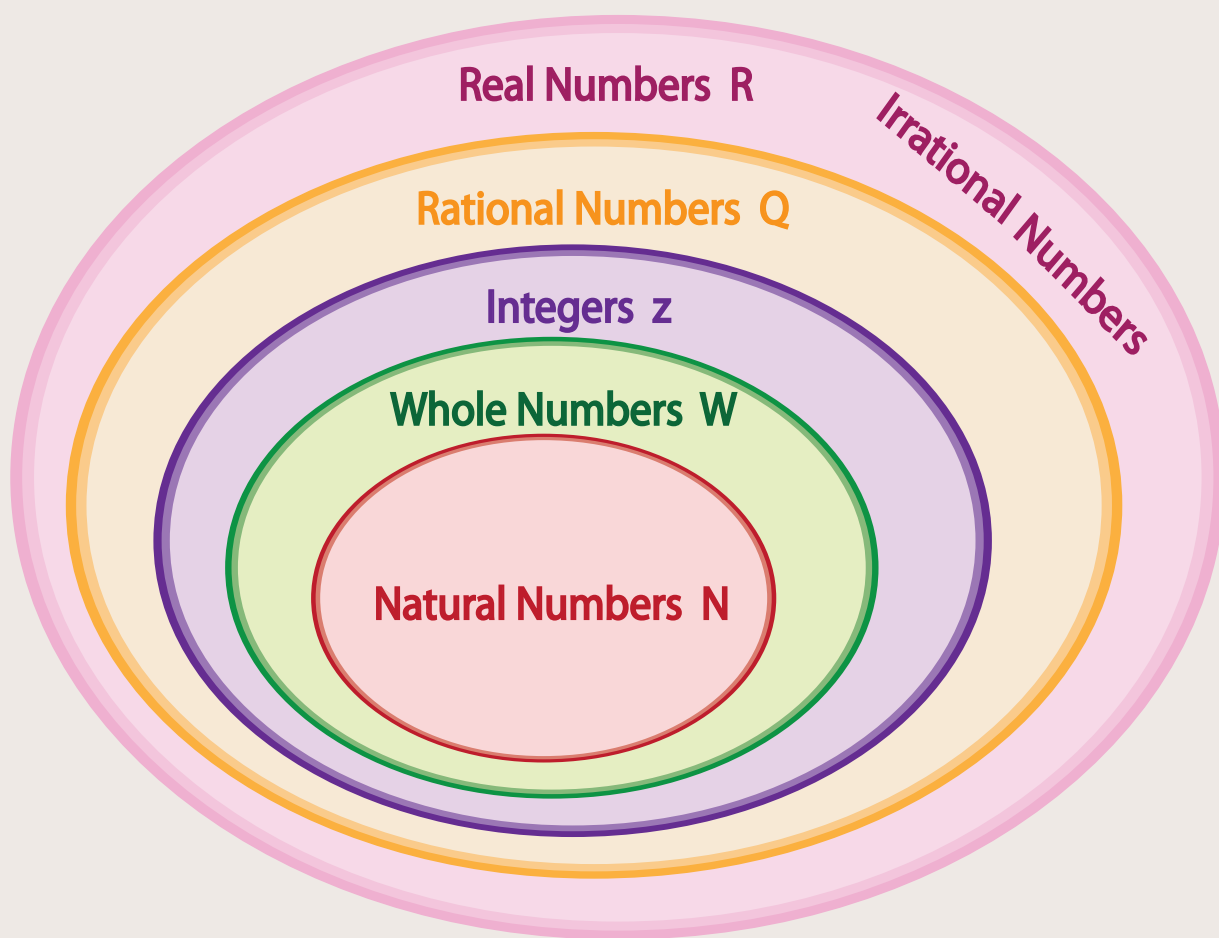


6th  
Grade

# Number System



## Workbook 1

## Dividing Fractions

$$\frac{3}{5} \div \frac{9}{5} = \boxed{\phantom{000}}$$

$$\frac{8}{7} \div \frac{4}{6} = \boxed{\phantom{000}}$$

$$\frac{1}{2} \div \frac{6}{5} = \boxed{\phantom{000}}$$

$$\frac{10}{8} \div \frac{1}{6} = \boxed{\phantom{000}}$$

$$\frac{4}{11} \div \frac{8}{3} = \boxed{\phantom{000}}$$

$$\frac{5}{2} \div \frac{4}{2} = \boxed{\phantom{000}}$$

$$\frac{3}{15} \div \frac{6}{5} = \boxed{\phantom{000}}$$

$$\frac{7}{4} \div \frac{14}{8} = \boxed{\phantom{000}}$$

$$\frac{8}{9} \div \frac{4}{3} = \boxed{\phantom{000}}$$

$$\frac{1}{6} \div \frac{3}{2} = \boxed{\phantom{000}}$$

$$\frac{11}{10} \div \frac{4}{5} = \boxed{\phantom{000}}$$

$$\frac{2}{7} \div \frac{15}{14} = \boxed{\phantom{000}}$$

$$\frac{3}{5} \div \frac{4}{2} = \boxed{\phantom{000}}$$

$$\frac{6}{20} \div \frac{4}{5} = \boxed{\phantom{000}}$$

$$\frac{12}{9} \div \frac{5}{10} = \boxed{\phantom{000}}$$

## Dividing Fractions

$$\frac{9}{10} \div 2\frac{2}{5} = \boxed{\phantom{000}}$$

$$4\frac{1}{4} \div \frac{1}{4} = \boxed{\phantom{000}}$$

$$5\frac{1}{3} \div \frac{4}{7} = \boxed{\phantom{000}}$$

$$\frac{12}{15} \div 1\frac{1}{10} = \boxed{\phantom{000}}$$

$$\frac{14}{27} \div 7\frac{7}{9} = \boxed{\phantom{000}}$$

$$3\frac{9}{10} \div \frac{1}{5} = \boxed{\phantom{000}}$$

$$\frac{7}{8} \div 2\frac{5}{8} = \boxed{\phantom{000}}$$

$$\frac{2}{11} \div 4\frac{2}{3} = \boxed{\phantom{000}}$$

$$9\frac{3}{5} \div \frac{12}{13} = \boxed{\phantom{000}}$$

$$\frac{5}{6} \div 2\frac{6}{17} = \boxed{\phantom{000}}$$

$$\frac{20}{25} \div 3\frac{1}{5} = \boxed{\phantom{000}}$$

$$7\frac{6}{7} \div \frac{11}{12} = \boxed{\phantom{000}}$$

$$\frac{6}{8} \div 5\frac{2}{5} = \boxed{\phantom{000}}$$

$$10\frac{1}{2} \div \frac{6}{8} = \boxed{\phantom{000}}$$

$$\frac{3}{14} \div 4\frac{2}{7} = \boxed{\phantom{000}}$$

## Dividing Fractions

$2\frac{1}{3} \div \frac{7}{6} =$

$\frac{15}{4} \div 1\frac{6}{5} =$

$\frac{11}{10} \div 3\frac{1}{2} =$

$\frac{9}{7} \div 3\frac{6}{7} =$

$7\frac{4}{5} \div \frac{13}{8} =$

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

$\frac{5}{3} \div 6\frac{3}{7} =$

$3\frac{8}{9} \div \frac{14}{9} =$

$\frac{10}{9} \div 4\frac{4}{3} =$

$7\frac{1}{3} \div \frac{11}{7} =$

$\frac{12}{5} \div 2\frac{3}{7} =$

$8\frac{5}{6} \div \frac{9}{2} =$

$\frac{8}{7} \div 3\frac{1}{3} =$

$9\frac{2}{9} \div \frac{10}{9} =$

$\frac{8}{5} \div 1\frac{2}{7} =$

### Division without Remainder

$$1) 8 \overline{) 1632}$$

$$2) 5 \overline{) 3095}$$

$$3) 2 \overline{) 8176}$$

$$4) 6 \overline{) 7254}$$

$$5) 3 \overline{) 9561}$$

$$6) 7 \overline{) 4578}$$

$$7) 4 \overline{) 6864}$$

$$8) 9 \overline{) 8073}$$

$$9) 6 \overline{) 3588}$$

$$10) 2 \overline{) 7342}$$

$$11) 5 \overline{) 1850}$$

$$12) 8 \overline{) 2184}$$

$$13) 4 \overline{) 8436}$$

$$14) 3 \overline{) 5481}$$

$$15) 9 \overline{) 6579}$$

$$16) 7 \overline{) 6125}$$

### Division without Remainder

$1) 13 \overline{) 6227}$

$2) 65 \overline{) 2405}$

$3) 72 \overline{) 3168}$

$4) 24 \overline{) 1920}$

$5) 53 \overline{) 8745}$

$6) 41 \overline{) 5863}$

$7) 37 \overline{) 9472}$

$8) 89 \overline{) 2581}$

$9) 27 \overline{) 6345}$

$10) 97 \overline{) 4947}$

$11) 64 \overline{) 8448}$

$12) 32 \overline{) 3680}$

$13) 84 \overline{) 7224}$

$14) 76 \overline{) 1444}$

$15) 57 \overline{) 5871}$

$16) 19 \overline{) 4788}$

$17) 25 \overline{) 9125}$

$18) 44 \overline{) 1276}$

$19) 98 \overline{) 6664}$

$20) 33 \overline{) 2310}$

## Division with Remainder

$$1) 7 \overline{) 3568}$$

$$2) 4 \overline{) 5215}$$

$$3) 2 \overline{) 6349}$$

$$4) 5 \overline{) 8164}$$

$$5) 8 \overline{) 2130}$$

$$6) 3 \overline{) 4912}$$

$$7) 6 \overline{) 1043}$$

$$8) 8 \overline{) 6854}$$

$$9) 5 \overline{) 8743}$$

$$10) 9 \overline{) 3926}$$

$$11) 4 \overline{) 2563}$$

$$12) 7 \overline{) 4255}$$

$$13) 3 \overline{) 3544}$$

$$14) 6 \overline{) 1271}$$

$$15) 9 \overline{) 7825}$$

$$16) 4 \overline{) 5715}$$

### Division with Remainders

$$1) 63 \overline{) 2819}$$

$$2) 89 \overline{) 7645}$$

$$3) 48 \overline{) 5155}$$

$$4) 95 \overline{) 4728}$$

$$5) 31 \overline{) 8132}$$

$$6) 55 \overline{) 5739}$$

$$7) 25 \overline{) 2461}$$

$$8) 81 \overline{) 3485}$$

$$9) 68 \overline{) 7527}$$

$$10) 45 \overline{) 2639}$$

$$11) 93 \overline{) 6874}$$

$$12) 38 \overline{) 4513}$$

$$13) 69 \overline{) 3458}$$

$$14) 54 \overline{) 9975}$$

$$15) 96 \overline{) 1276}$$

$$16) 27 \overline{) 6482}$$

$$17) 12 \overline{) 1963}$$

$$18) 54 \overline{) 9347}$$

$$19) 27 \overline{) 3968}$$

$$20) 18 \overline{) 7389}$$



## Division

$$1) 723 \overline{) 5061}$$

$$2) 897 \overline{) 1639}$$

$$3) 436 \overline{) 6976}$$

$$4) 998 \overline{) 8743}$$

$$5) 431 \overline{) 9926}$$

$$6) 557 \overline{) 3342}$$

$$7) 208 \overline{) 5212}$$

$$8) 615 \overline{) 6349}$$

$$9) 155 \overline{) 8060}$$

$$10) 725 \overline{) 2128}$$

$$11) 863 \overline{) 3452}$$

$$12) 512 \overline{) 4232}$$

$$13) 887 \overline{) 7825}$$

$$14) 993 \overline{) 5716}$$

$$15) 737 \overline{) 8634}$$

$$16) 465 \overline{) 1672}$$

$$17) 248 \overline{) 6696}$$

$$18) 748 \overline{) 7255}$$

$$19) 237 \overline{) 1723}$$

$$20) 658 \overline{) 9212}$$

## Decimal Addition - Thousandths

$$\begin{array}{r} 1) \quad 6.384 \\ + \quad 5.792 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 4.973 \\ + \quad 0.186 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 8.462 \\ + \quad 1.853 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 9.156 \\ + \quad 3.478 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 7.208 \\ + \quad 9.461 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 1.517 \\ + \quad 6.472 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 5.298 \\ + \quad 0.136 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 4.915 \\ + \quad 8.795 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 8.134 \\ + \quad 2.907 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 0.475 \\ + \quad 3.812 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 9.057 \\ + \quad 1.628 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 2.869 \\ + \quad 7.543 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 6.301 \\ + \quad 4.259 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 7.543 \\ + \quad 8.165 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 3.682 \\ + \quad 5.476 \\ \hline \end{array}$$

## Decimal Addition - Thousandths

Line up the decimals in vertical form and add.

1)  $1.874 + 56.329$

2)  $94.308 + 72.516$

3)  $89.762 + 4.513$

4)  $62.493 + 38.561$

5)  $5.632 + 47.248$

6)  $3.859 + 6.721$

7)  $79.638 + 9.415$

8)  $2.715 + 0.096$

9)  $43.056 + 12.987$

10)  $0.796 + 4.182$

11)  $21.053 + 8.297$

12)  $9.241 + 68.963$

## Decimal Addition - Thousandths

Line up the decimals in vertical form and add.

1)  $631.942 + 97.586$

2)  $175.486 + 412.593$

3)  $9.831 + 354.267$

4)  $2.814 + 5.639$

5)  $36.258 + 115.174$

6)  $46.793 + 40.528$

7)  $1.405 + 25.781$

8)  $264.837 + 31.056$

9)  $88.264 + 0.012$

10)  $705.397 + 4.262$

11)  $51.745 + 239.825$

12)  $913.682 + 657.254$

## Decimal Addition - Ten Thousandths

Line up the decimals in vertical form and add.

1)  $68.5142 + 9.2721$

2)  $97.2035 + 15.6378$

3)  $1.7954 + 25.3007$

4)  $4.3261 + 8.1456$

5)  $24.5312 + 32.6875$

6)  $32.7804 + 0.4123$

7)  $5.8712 + 2.5649$

8)  $8.1693 + 73.4256$

## Decimal Addition - Ten Thousandths

Line up the decimals in vertical form and add.

1)  $4.9103 + 2.8795$

2)  $835.2987 + 54.0136$

3)  $92.1346 + 43.2907$

4)  $619.0574 + 3.1628$

5)  $2.7692 + 961.7543$

6)  $30.4759 + 879.3812$

7)  $7.5432 + 68.9061$

8)  $573.6821 + 109.5474$

## Decimal Addition - Hundred Thousandths

Line up the decimals in vertical form and add.

1)  $5.12071 + 12.79563$

2)  $7.82435 + 0.60284$

3)  $49.23986 + 38.95741$

4)  $2.01892 + 46.17365$

5)  $65.46327 + 2.38016$

6)  $15.74503 + 50.26172$

7)  $3.07894 + 6.41955$

8)  $81.51209 + 7.89561$

## Decimal Addition - Hundred Thousandths

Line up the decimals in vertical form and add.

1)  $206.38457 + 352.79201$

2)  $58.46218 + 1.65397$

3)  $3.64725 + 62.80918$

4)  $124.97301 + 57.38625$

5)  $49.15063 + 236.04782$

6)  $7.20894 + 9.56153$

7)  $823.69075 + 7.51689$

8)  $93.80742 + 21.95863$



## Decimal Addition - Millionths

Line up the decimals in vertical form and add.

1)  $87.936251 + 63.158427$

2)  $9.851276 + 25.684791$

3)  $2.491768 + 18.723694$

4)  $77.493625 + 0.369852$

5)  $1.647832 + 7.315976$

6)  $56.732489 + 48.216937$

7)  $41.562389 + 6.879145$

8)  $3.145368 + 5.978514$

## Decimal Addition - Millionths

Line up the decimals in vertical form and add.

1)  $869.824735 + 572.369841$

2)  $68.517394 + 86.735249$

3)  $134.571296 + 16.935482$

4)  $515.602715 + 8.148713$

5)  $9.147369 + 493.682517$

6)  $2.973428 + 35.249681$

7)  $47.296158 + 681.753924$

8)  $73.428156 + 5.394862$

## Decimal Addition - Thousandths

$$\begin{array}{r} 1) \quad 840.092 \\ \quad 1.129 \\ + \quad 34.835 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 78.637 \\ \quad 153.482 \\ + \quad 4.573 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 2.673 \\ \quad 91.082 \\ + \quad 666.256 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 13.896 \\ \quad 29.174 \\ + \quad 216.798 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 6.049 \\ \quad 390.724 \\ + \quad 527.865 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 900.391 \\ \quad 282.818 \\ + \quad 306.764 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 9.131 \\ \quad 8.216 \\ + \quad 2.907 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 95.952 \\ \quad 661.678 \\ + \quad 18.045 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 768.296 \\ \quad 3.755 \\ + \quad 7.369 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 182.635 \\ \quad 1.497 \\ + \quad 39.012 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 56.286 \\ \quad 45.041 \\ + \quad 83.784 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 894.569 \\ \quad 325.782 \\ + \quad 66.594 \\ \hline \end{array}$$

## Decimal Addition - Thousandths

$$\begin{array}{r} 1) \quad 548.092 \\ \quad 91.319 \\ \quad 714.083 \\ + \quad 5.671 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 37.563 \\ \quad 420.457 \\ \quad 9.132 \\ + \quad 55.369 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 4.082 \\ \quad 15.425 \\ \quad 631.789 \\ + \quad 0.682 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 73.749 \\ \quad 5.917 \\ \quad 686.524 \\ + \quad 39.012 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 1.656 \\ \quad 865.028 \\ \quad 99.104 \\ + \quad 5.429 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 218.073 \\ \quad 8.268 \\ \quad 27.396 \\ + \quad 801.437 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 0.692 \\ \quad 3.081 \\ \quad 72.928 \\ + \quad 567.403 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 176.528 \\ \quad 236.735 \\ \quad 23.827 \\ + \quad 4.892 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 86.913 \\ \quad 16.122 \\ \quad 2.615 \\ + \quad 905.437 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 926.736 \\ \quad 83.567 \\ \quad 6.482 \\ + \quad 791.326 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 317.695 \\ \quad 0.746 \\ \quad 40.001 \\ + \quad 69.204 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 5.678 \\ \quad 48.104 \\ \quad 7.914 \\ + \quad 417.756 \\ \hline \end{array}$$

# Decimal Subtraction - Thousandths

	1)		4	8	.	5	0	3			2)		3	6	.	7	1	7	
		-		5	.	9	7	2				-	1	0	.	4	8	4	
	3)		7	6	.	0	1	8			4)		5	2	.	3	6	9	
		-	2	1	.	3	5	6				-		7	.	8	4	1	
	5)		1	8	.	4	6	7			6)		8	4	.	6	8	3	
		-		2	.	7	5	1				-		1	.	0	7	5	
	7)			3	.	2	3	2			8)			9	.	8	0	2	
		-		0	.	6	0	4				-		6	.	1	3	5	
	9)		9	6	.	1	4	6			10)		2	0	.	9	5	8	
		-	6	3	.	5	8	2				-		2	.	2	0	1	

# Decimal Subtraction - Thousandths

1)				5	.	6	1	4	2)				7	5	.	4	2	1
	-			0	.	9	5	2		-			3	1	.	0	7	8
3)		9	8	7	.	7	6	5	4)		2	1	6	.	8	3	4	
	-	5	1	6	.	3	2	1		-			8	.	7	1	2	
5)		7	5	1	.	2	3	8	6)			5	7	.	5	4	7	
	-		9	3	.	5	4	6		-			1	.	2	6	5	
7)		6	4	2	.	0	8	7	8)		4	8	4	.	1	5	3	
	-			7	.	8	7	3		-		5	7	.	6	0	1	
9)		1	8	8	.	9	0	2	10)		8	9	2	.	3	8	6	
	-		2	6	.	4	9	4		-	3	4	5	.	9	2	7	

## Decimal Subtraction - Thousandths

1)  $68.174 - 30.474 =$  \_\_\_\_\_

2)  $14.825 - 8.501 =$  \_\_\_\_\_

3)  $21.258 - 2.386 =$  \_\_\_\_\_

4)  $85.393 - 32.393 =$  \_\_\_\_\_

5)  $7.519 - 1.625 =$  \_\_\_\_\_

6)  $92.637 - 5.184 =$  \_\_\_\_\_

7)  $82.963 - 75.798 =$  \_\_\_\_\_

8)  $6.961 - 4.235 =$  \_\_\_\_\_

9)  $19.375 - 6.136 =$  \_\_\_\_\_

10)  $73.459 - 23.672 =$  \_\_\_\_\_

11)  $9.269 - 5.859 =$  \_\_\_\_\_

12)  $30.214 - 4.393 =$  \_\_\_\_\_

13)  $57.403 - 15.277 =$  \_\_\_\_\_

14)  $4.542 - 1.027 =$  \_\_\_\_\_

## Decimal Subtraction - Thousandths

Line up the decimals in vertical form and subtract.

1)  $33.957 - 9.486$

2)  $64.082 - 39.715$

3)  $28.521 - 2.604$

4)  $81.642 - 42.039$

5)  $56.394 - 8.158$

6)  $7.419 - 3.261$

7)  $19.213 - 15.888$

8)  $0.601 - 0.412$

9)  $45.965 - 6.138$

10)  $6.701 - 4.195$

11)  $98.176 - 5.243$

12)  $83.047 - 61.359$



## Decimal Subtraction - Thousandths

Line up the decimals in vertical form and subtract.

1)  $509.218 - 43.657$

2)  $937.126 - 586.749$

3)  $81.645 - 69.304$

4)  $691.452 - 362.735$

5)  $82.871 - 24.956$

6)  $2.013 - 1.589$

7)  $128.541 - 5.264$

8)  $896.523 - 748.107$

9)  $93.169 - 9.312$

10)  $37.924 - 16.879$

11)  $719.408 - 68.134$

12)  $605.685 - 592.518$

## Decimal Subtraction - Ten Thousandths

Line up the decimals in vertical form and subtract.

1)  $57.4031 - 8.1619$

2)  $86.1924 - 83.5267$

3)  $9.6843 - 4.2996$

4)  $30.2154 - 1.0345$

5)  $83.4201 - 21.5764$

6)  $71.6793 - 8.3012$

7)  $5.0582 - 2.3145$

8)  $32.7601 - 10.4538$

## Decimal Subtraction - Ten Thousandths

Line up the decimals in vertical form and subtract.

1)  $3.8092 - 1.7684$

2)  $724.1876 - 43.9025$

3)  $87.0235 - 64.1896$

4)  $508.9463 - 2.0517$

5)  $91.6589 - 42.6432$

6)  $29.3648 - 8.2706$

7)  $621.4321 - 56.8953$

8)  $462.5715 - 198.4369$

## Decimal Subtraction - Hundred Thousandths

Line up the decimals in vertical form and subtract.

1)  $79.56412 - 36.47285$

2)  $62.89347 - 0.59742$

3)  $12.43986 - 8.75632$

4)  $43.92671 - 25.13789$

5)  $94.61735 - 47.52149$

6)  $8.75236 - 6.92157$

7)  $5.82341 - 1.56875$

8)  $39.14753 - 7.65981$

## Decimal Subtraction - Hundred Thousandths

Line up the decimals in vertical form and subtract.

1)  $695.27346 - 241.68193$

2)  $17.35107 - 0.54286$

3)  $82.53615 - 9.79807$

4)  $413.86298 - 56.27514$

5)  $938.04952 - 125.93671$

6)  $6.19783 - 3.45042$

7)  $712.58964 - 8.40578$

8)  $24.79631 - 19.84759$

## Decimal Subtraction - Millionths

Line up the decimals in vertical form and subtract.

1)  $97.159673 - 9.365481$

2)  $50.961482 - 41.852967$

3)  $8.896214 - 6.570362$

4)  $35.798241 - 13.243759$

5)  $63.418927 - 54.931546$

6)  $26.589274 - 7.345618$

7)  $4.243795 - 0.724158$

8)  $19.674523 - 2.136895$

## Decimal Subtraction - Millionths

Line up the decimals in vertical form and subtract.

1)  $125.105487 - 72.005013$

2)  $83.217694 - 64.985237$

3)  $534.671298 - 286.534719$

4)  $698.540712 - 7.651804$

5)  $999.740821 - 815.276394$

6)  $742.981635 - 84.543972$

7)  $45.682903 - 9.356187$

8)  $3.152849 - 2.876491$

## Greatest Common Factor

E

Find the greatest common factor for each pair of numbers.

1) 6, 9

$$\text{GCF}(6, 9) = \underline{\hspace{2cm}}$$

2) 4, 18

$$\text{GCF}(4, 18) = \underline{\hspace{2cm}}$$

3) 5, 15

$$\text{GCF}(5, 15) = \underline{\hspace{2cm}}$$

4) 12, 8

$$\text{GCF}(12, 8) = \underline{\hspace{2cm}}$$

5) 21, 9

$$\text{GCF}(21, 9) = \underline{\hspace{2cm}}$$

6) 4, 6

$$\text{GCF}(4, 6) = \underline{\hspace{2cm}}$$

7) 18, 24

$$\text{GCF}(18, 24) = \underline{\hspace{2cm}}$$

8) 14, 21

$$\text{GCF}(14, 21) = \underline{\hspace{2cm}}$$

9) 4, 2

$$\text{GCF}(4, 2) = \underline{\hspace{2cm}}$$

10) 15, 6

$$\text{GCF}(15, 6) = \underline{\hspace{2cm}}$$



## Greatest Common Factor

M

Find the greatest common factor for each pair of numbers.

1) 28, 42

$$\text{GCF}(28, 42) = \underline{\hspace{2cm}}$$

2) 14, 63

$$\text{GCF}(14, 63) = \underline{\hspace{2cm}}$$

3) 96, 84

$$\text{GCF}(96, 84) = \underline{\hspace{2cm}}$$

4) 75, 30

$$\text{GCF}(75, 30) = \underline{\hspace{2cm}}$$

5) 9, 39

$$\text{GCF}(9, 39) = \underline{\hspace{2cm}}$$

6) 27, 54

$$\text{GCF}(27, 54) = \underline{\hspace{2cm}}$$

7) 72, 56

$$\text{GCF}(72, 56) = \underline{\hspace{2cm}}$$

8) 95, 19

$$\text{GCF}(95, 19) = \underline{\hspace{2cm}}$$

9) 34, 51

$$\text{GCF}(34, 51) = \underline{\hspace{2cm}}$$

10) 64, 48

$$\text{GCF}(64, 48) = \underline{\hspace{2cm}}$$

## Greatest Common Factor

D

Find the greatest common factor for each pair of numbers.

1) 44, 121

$$\text{GCF}(44, 121) = \underline{\hspace{2cm}}$$

2) 105, 112

$$\text{GCF}(105, 112) = \underline{\hspace{2cm}}$$

3) 208, 64

$$\text{GCF}(208, 64) = \underline{\hspace{2cm}}$$

4) 56, 140

$$\text{GCF}(56, 140) = \underline{\hspace{2cm}}$$

5) 150, 100

$$\text{GCF}(150, 100) = \underline{\hspace{2cm}}$$

6) 98, 343

$$\text{GCF}(98, 343) = \underline{\hspace{2cm}}$$

7) 117, 108

$$\text{GCF}(117, 108) = \underline{\hspace{2cm}}$$

8) 225, 195

$$\text{GCF}(225, 195) = \underline{\hspace{2cm}}$$

9) 175, 315

$$\text{GCF}(175, 315) = \underline{\hspace{2cm}}$$

10) 84, 144

$$\text{GCF}(84, 144) = \underline{\hspace{2cm}}$$

## Greatest Common Factor

E

Find the greatest common factor for each set of numbers.

1) 18, 6, 24

$$\text{GCF}(18, 6, 24) = \underline{\hspace{2cm}}$$

2) 24, 9, 15

$$\text{GCF}(24, 9, 15) = \underline{\hspace{2cm}}$$

3) 14, 4, 8

$$\text{GCF}(14, 4, 8) = \underline{\hspace{2cm}}$$

4) 21, 7, 14

$$\text{GCF}(21, 7, 14) = \underline{\hspace{2cm}}$$

5) 10, 20, 15

$$\text{GCF}(10, 20, 15) = \underline{\hspace{2cm}}$$

6) 16, 20, 8

$$\text{GCF}(16, 20, 8) = \underline{\hspace{2cm}}$$

7) 6, 4, 10

$$\text{GCF}(6, 4, 10) = \underline{\hspace{2cm}}$$

8) 12, 6, 21

$$\text{GCF}(12, 6, 21) = \underline{\hspace{2cm}}$$

9) 20, 24, 12

$$\text{GCF}(20, 24, 12) = \underline{\hspace{2cm}}$$

10) 5, 15, 25

$$\text{GCF}(5, 15, 25) = \underline{\hspace{2cm}}$$

## Greatest Common Factor

M

Find the greatest common factor for each set of numbers.

1) 28, 22, 90

$$\text{GCF}(28, 22, 90) = \underline{\hspace{2cm}}$$

2) 42, 35, 21

$$\text{GCF}(42, 35, 21) = \underline{\hspace{2cm}}$$

3) 75, 45, 60

$$\text{GCF}(75, 45, 60) = \underline{\hspace{2cm}}$$

4) 36, 90, 54

$$\text{GCF}(36, 90, 54) = \underline{\hspace{2cm}}$$

5) 24, 84, 48

$$\text{GCF}(24, 84, 48) = \underline{\hspace{2cm}}$$

6) 12, 72, 18

$$\text{GCF}(12, 72, 18) = \underline{\hspace{2cm}}$$

7) 70, 14, 56

$$\text{GCF}(70, 14, 56) = \underline{\hspace{2cm}}$$

8) 32, 76, 60

$$\text{GCF}(32, 76, 60) = \underline{\hspace{2cm}}$$

9) 99, 42, 84

$$\text{GCF}(99, 42, 84) = \underline{\hspace{2cm}}$$

10) 80, 50, 40

$$\text{GCF}(80, 50, 40) = \underline{\hspace{2cm}}$$

## Least Common Multiple

Find the least common multiple of each pair of numbers.

1) 9, 15

$$\text{LCM}(9, 15) = \underline{\hspace{2cm}}$$

2) 4, 8

$$\text{LCM}(4, 8) = \underline{\hspace{2cm}}$$

3) 18, 3

$$\text{LCM}(18, 3) = \underline{\hspace{2cm}}$$

4) 22, 6

$$\text{LCM}(22, 6) = \underline{\hspace{2cm}}$$

5) 9, 21

$$\text{LCM}(9, 21) = \underline{\hspace{2cm}}$$

6) 2, 3

$$\text{LCM}(2, 3) = \underline{\hspace{2cm}}$$

7) 14, 4

$$\text{LCM}(14, 4) = \underline{\hspace{2cm}}$$

8) 5, 25

$$\text{LCM}(5, 25) = \underline{\hspace{2cm}}$$

9) 7, 6

$$\text{LCM}(7, 6) = \underline{\hspace{2cm}}$$

10) 12, 20

$$\text{LCM}(12, 20) = \underline{\hspace{2cm}}$$

## Least Common Multiple

Find the least common multiple of each set of numbers.

1) 6, 16, 8

$$\text{LCM}(6, 16, 8) = \underline{\hspace{2cm}}$$

2) 4, 12, 20

$$\text{LCM}(4, 12, 20) = \underline{\hspace{2cm}}$$

3) 36, 18, 9

$$\text{LCM}(36, 18, 9) = \underline{\hspace{2cm}}$$

4) 24, 72, 96

$$\text{LCM}(24, 72, 96) = \underline{\hspace{2cm}}$$

5) 24, 18, 30

$$\text{LCM}(24, 18, 30) = \underline{\hspace{2cm}}$$

6) 40, 20, 60

$$\text{LCM}(40, 20, 60) = \underline{\hspace{2cm}}$$

7) 27, 36, 90

$$\text{LCM}(27, 36, 90) = \underline{\hspace{2cm}}$$

8) 14, 8, 16

$$\text{LCM}(14, 8, 16) = \underline{\hspace{2cm}}$$

9) 15, 30, 45

$$\text{LCM}(15, 30, 45) = \underline{\hspace{2cm}}$$

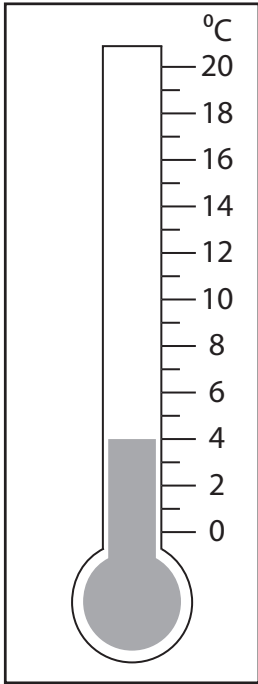
10) 10, 4, 24

$$\text{LCM}(10, 4, 24) = \underline{\hspace{2cm}}$$

## Add and Subtract Integers - Thermometer

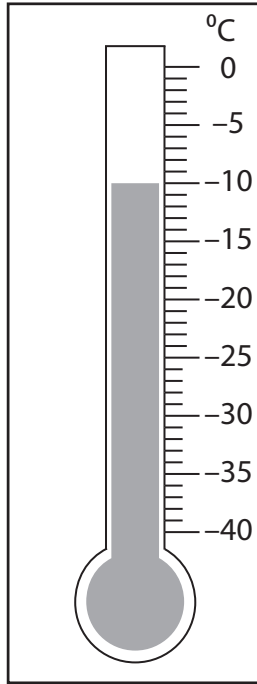
Find the new reading for each thermometer, if there is a

1) rise by  $13^{\circ}\text{C}$ .



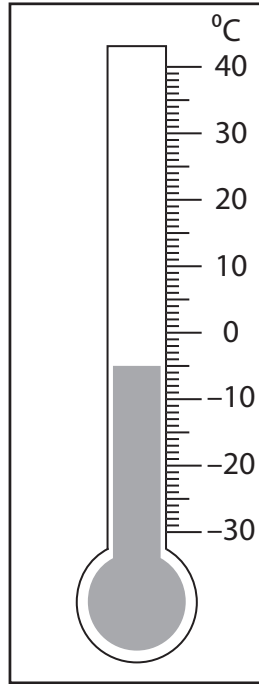
\_\_\_\_\_

2) fall by  $26^{\circ}\text{C}$ .



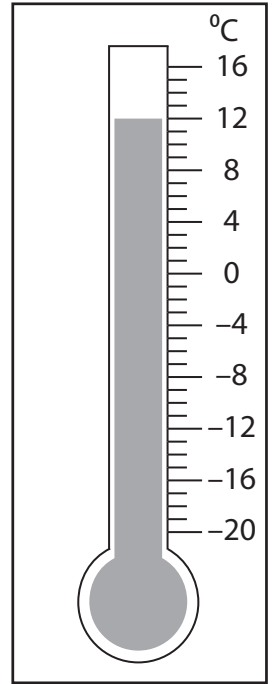
\_\_\_\_\_

3) rise by  $45^{\circ}\text{C}$ .



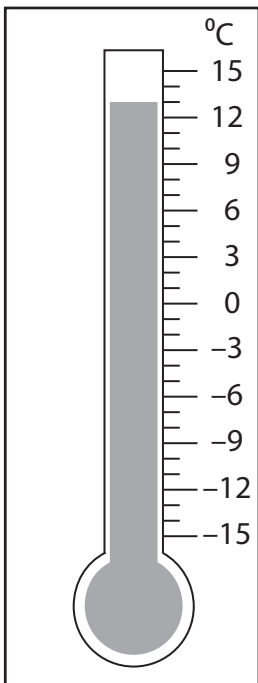
\_\_\_\_\_

4) fall by  $8^{\circ}\text{C}$ .



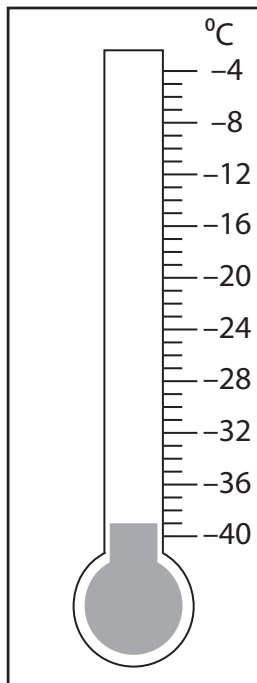
\_\_\_\_\_

5) fall by  $28^{\circ}\text{C}$ .



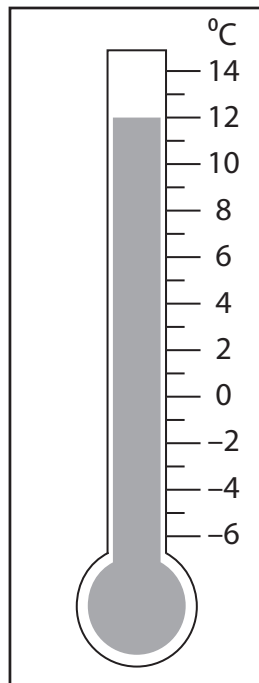
\_\_\_\_\_

6) rise by  $31^{\circ}\text{C}$ .



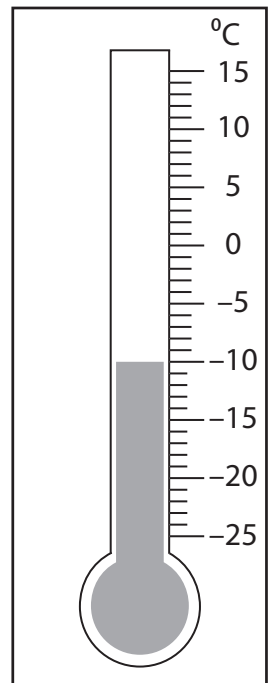
\_\_\_\_\_

7) fall by  $14^{\circ}\text{C}$ .



\_\_\_\_\_

8) rise by  $20^{\circ}\text{C}$ .

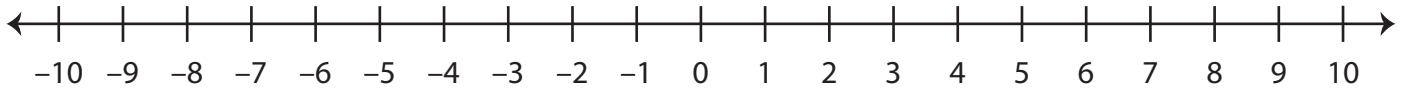


\_\_\_\_\_

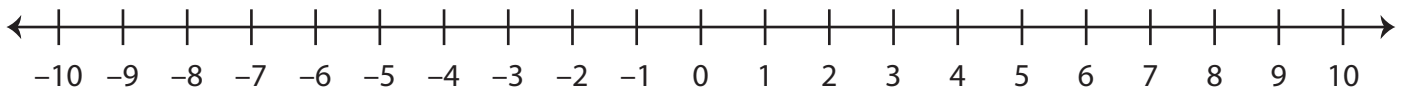
## Number Line - Integers

A) Mark the integers on the number line.

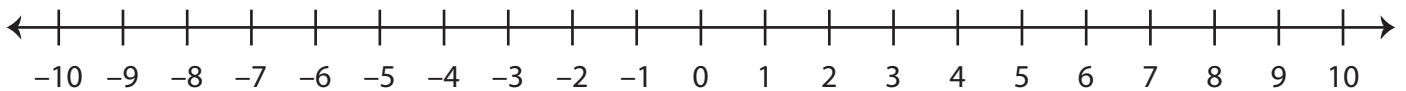
- 1) a) -2    b) 7    c) -5    d) 1



- 2) a) 9    b) -4    c) 3    d) -8



B) Answer the questions using the number line below.



1) 2 units to the left of 3 is \_\_\_\_\_

2) 6 units to the right of -1 is \_\_\_\_\_

3) 4 units to the left of -4 is \_\_\_\_\_

4) 3 units to the right of 7 is \_\_\_\_\_

5) 1 unit to the left of 10 is \_\_\_\_\_

6) 5 units to the right of -6 is \_\_\_\_\_

7) 8 units to the left of 5 is \_\_\_\_\_



# Integers

A) Write the opposite value of each integer.

1) Opposite of  $-51$  \_\_\_\_\_

2) Opposite of  $9$  \_\_\_\_\_

3) Opposite of  $32$  \_\_\_\_\_

4) Opposite of  $-74$  \_\_\_\_\_

5) Opposite of  $-6$  \_\_\_\_\_

6) Opposite of  $20$  \_\_\_\_\_

7) Opposite of  $83$  \_\_\_\_\_

8) Opposite of  $-18$  \_\_\_\_\_

B) Write the absolute value of each integer.

1)  $|-13|$  \_\_\_\_\_

2)  $-|-37|$  \_\_\_\_\_

3)  $-|-91|$  \_\_\_\_\_

4)  $|52|$  \_\_\_\_\_

5)  $|16|$  \_\_\_\_\_

6)  $-|88|$  \_\_\_\_\_

7)  $-|45|$  \_\_\_\_\_

8)  $|-7|$  \_\_\_\_\_

C) Compare using the symbols  $<$ ,  $>$  or  $=$ .

1) Absolute value of  $-34$   Opposite of  $|17|$

2) Opposite of  $-25$   Absolute value of  $-25$

3) Opposite of  $11$   Opposite of  $14$

4) Absolute value of  $40$   Absolute value of  $-85$