

Back to School

4th Grade

Math Mystery Pictures

Mystery Picture - Addition

100	500	3,500	700	7,000	4,300	7,700	4,300	3,500	7,000	700	3,500
500	100	700	7,000	4,300	7,700	4,300	7,000	700	3,500	2,000	6,000
3,500	700	7,000	4,000	9,000	3,000	700	3,500	2,000	6,000	4,000	4,000
700	7,000	4,000	7,700	4,300	1,500	3,000	7,700	4,300	4,000	3,500	700
7,000	4,000	7,700	4,300	1,500	3,000	9,000	800	7,700	4,300	3,500	700
4,000	3,500	4,300	1,500	3,000	9,000	800	7,700	4,300	4,000	3,500	700
3,500	4,300	1,500	6,000	9,000	800	2,000	1,500	7,700	7,000	7,000	4,000
700	7,000	3,000	2,000	800	1,500	6,000	3,000	7,000	4,000	5,000	1,000
5,800	200	9,000	800	3,000	2,100	5,900	800	3,000	9,000	5,000	1,000
5,000	1,000	800	1,500	9,000	5,900	2,100	1,500	9,000	800	200	5,800

Mystery Picture - Multiplication

72	12	42	28	18	36	10	56	2
16	56	21	35	20	63	12	16	72
64	42	72	12	30	54	16	72	56
35	12	16	16	28	18	72	64	42
16	72	21	35	54	36	10	12	64
21	35	16	10	20	63	30	54	56
56	42	0	32	45	9	49	48	24
35	0	45	24	49	48	0	32	14
0	49	9	14	32	24	45	48	9
24	48	0	49	45	14	9	32	24
72	12	42	28	18	36	10	56	2

9 x 8 = _____

4 x 3 = _____

3 x 7 = _____

7 x 5 = _____

4 x 7 = _____

9 x 4 = _____

5 x 4 = _____

5 x 6 = _____

5 x 9 = _____

8 x 6 = _____

3 x 3 = _____

8 x 3 = _____

0 x 4 = _____

7 x 2 = _____

8 x 4 = _____

7 x 7 = _____

Mystery Picture - Addition

9,478	5,942	9,478	5,942	8,319	9,478	8,319	5,942	9,478	8,319
5,942	8,319	5,942	8,319	3,848	4,301	5,242	8,399	5,942	8,319
8,319	9,478	8,319	5,942	5,838	7,844	3,848	5,242	4,301	9,478
5,942	8,319	3,848	5,838	7,844	3,848	5,838	4,301	5,242	8,319
8,319	5,942	5,838	7,844	3,848	5,838	7,844	3,848	5,838	9,478
9,478	5,942	3,848	7,844	3,848	5,838	7,844	3,848	5,838	9,478
8,319	5,942	5,838	7,844	3,848	5,838	7,844	3,848	5,838	9,478
9,478	5,942	8,319	5,942	8,319	9,478	5,942	8,319	9,478	5,942
5,942	8,319	5,451	4,527	5,451	4,527	7,844	5,942	8,319	9,478
5,451	4,527	5,451	4,527	5,451	4,527	5,838	7,844	5,942	8,319
9,478	5,942	8,319	5,451	4,527	5,451	5,942	8,319	9,478	5,942

Blue: $5,957 + 3,521$

Yellow: $1,301 + 4,641$

Green: $2,878 + 5,441$

Pink: $1,945 + 1,903$

Black: $5,035 + 2,809$

3,515 + 2,323

Red: $1,737 + 2,564$

Orange: $1,045 + 4,197$

Purple: $1,152 + 3,375$

White: $2,419 + 3,032$

Grey: $3,251 + 4,478$

Light Blue: $5,410 + 2,989$

Mystery Picture - Forms of Numbers

34,879	82,790	53,129	15,312	82,790	53,129	34,879	82,790	53,129	15,312
82,790	53,129	15,312	82,790	53,129	34,879	82,790	53,129	15,312	82,790
778,119	43,907	59,481	910,340	59,481	778,119	43,907	15,312	82,790	53,129
52,358	90,323	910,340	52,358	90,323	43,907	52,358	80,323	53,129	34,879
90,323	52,358	59,481	90,323	52,358	910,340	90,323	52,358	34,879	82,790
910,340	59,481	778,119	43,907	910,340	59,481	778,119	43,907	910,340	53,129
59,481	778,119	43,907	910,340	59,481	778,119	43,907	910,340	778,119	59,481
3,119	43,907	59,481	910,340	59,481	778,119	43,907	910,340	778,119	59,481
8	25,071	841,572	25,071	59,481	778,119	43,907	910,340	59,481	43,907
82,790	53,129	34,879	82,790	53,129	34,879	82,790	53,129	34,879	82,790
34,879	15,312	82,790	53,129	15,312	82,790	53,129	34,879	82,790	53,129

Write the numbers in standard form.

Four hundred + 80 + 1

Eight thousand

Forty thousand

Fifteen thousand three hundred twelve

Write the numbers in standard form.

80,000 + 2,000 + 700 + 80

Eight hundred forty-one thousand five hundred seventy-two

Eight hundred forty-one thousand five hundred seventy-two

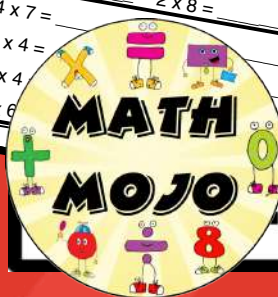
Write the numbers in standard form.

20,000 + 5,000 + 70 + 1

Eight hundred forty-one thousand five hundred seventy-two

50,000 + 2,000 + 300 + 50 + 8

Ninety thousand three hundred twenty-three



724	304	341	755	477	271	724	304	341	755
477 702	724 713	271 888	304 552	341 973	755 379	477 835	724 903	271 432	304 849
713	702	888	552	379	973	835	903	849	432
482	581	482	581	482	581	482	581	482	581
702	713	552	888	973	379	903	835	432	849
713	702	888	552	379	973	835	903	849	432
702	713	552	888	973	379	903	835	432	849
581	482	581	482	581	482	581	482	581	482
713	702	888	552	379	973	835	903	849	432
341	755	477	271	724	304	341	755	477	271

Mystery Picture - Addition

5 Digit Addition

Date _____

Name _____

<p>Green</p> $\begin{array}{r} 277 \\ + 558 \\ \hline \end{array}$ $\begin{array}{r} 330 \\ + 573 \\ \hline \end{array}$	<p>Yellow</p> $\begin{array}{r} 244 \\ + 135 \\ \hline \end{array}$ $\begin{array}{r} 405 \\ + 568 \\ \hline \end{array}$	<p>Orange</p> $\begin{array}{r} 317 \\ + 571 \\ \hline \end{array}$ $\begin{array}{r} 124 \\ + 428 \\ \hline \end{array}$
<p>Blue</p> $\begin{array}{r} 185 \\ + 247 \\ \hline \end{array}$ $\begin{array}{r} 392 \\ + 457 \\ \hline \end{array}$	<p>Red</p> $\begin{array}{r} 385 \\ + 328 \\ \hline \end{array}$ $\begin{array}{r} 185 \\ + 517 \\ \hline \end{array}$	<p>White</p> $\begin{array}{r} 359 \\ + 123 \\ \hline \end{array}$ $\begin{array}{r} 462 \\ + 119 \\ \hline \end{array}$
<p>Purple</p> $\begin{array}{r} 122 \\ + 219 \\ \hline \end{array}$ $\begin{array}{r} 397 \\ + 358 \\ \hline \end{array}$	$\begin{array}{r} 377 \\ + 347 \\ \hline \end{array}$ $\begin{array}{r} 123 \\ + 148 \\ \hline \end{array}$	$\begin{array}{r} 131 \\ + 173 \\ \hline \end{array}$ $\begin{array}{r} 319 \\ + 158 \\ \hline \end{array}$

9,478	5,942	9,478	5,942	8,319	9,478	8,319	5,942	9,478	8,319
5,942	8,319	5,942	8,319	9,478 3,848	4,301	5,242	8,399 5,242	7,729	5,942
8,319	9,478	8,319	5,942 3,848	5,838	7,844	4,301	5,242	8,399 4,301	9,478
5,942	8,319	9,478 3,848	5,838	7,844	3,848	5,838	4,301	5,242	8,319
8,319	5,942 3,848	5,838	7,844	3,848	5,838	7,844	3,848	4,301	9,478
9,478	5,838	7,844	3,848	5,838	7,844	3,848	5,838	7,844	5,942
5,451	4,527	7,844	3,848	5,838	7,844	3,848	5,838	9,478	5,942
4,527	5,451	5,838 4,527	5,838	7,844	3,848	5,838	7,844 5,942	5,942	8,319
5,451	4,527	5,451	7,844	3,848	5,838	7,844	5,942	8,319	9,478
5,942	5,451	4,527	5,451	5,838 4,527	7,844	9,478	5,942	8,319	9,478
8,319	8,319	4,527	5,451	4,527	5,942	5,942	8,319	9,478	5,942
9,478	5,942	5,451 8,319	4,527	5,451 9,478	5,942	8,319	9,478	5,942	8,319

Mystery Picture - Addition

4 Digit Addition

Date _____

Name _____

Blue

$5,957$	$1,301$	$2,878$
$+ 3,521$	$+ 4,641$	$+ 5,441$

Yellow

$1,945$	$5,035$	$3,515$
$+ 1,903$	$+ 2,809$	$+ 2,323$

Tan

$1,737$	$1,045$
$+ 2,564$	$+ 4,197$

Pink

$1,152$	$2,419$
$+ 3,375$	$+ 3,032$

Black

$3,251$	$5,410$
$+ 4,478$	$+ 2,989$

428	232	597	428	232	428	597	232	428	597
232	$\begin{array}{r} 597 \\ \hline 192 \end{array}$	574	192	$\begin{array}{r} 428 \\ \hline 483 \end{array}$	597	232	428	597	232
597	574	$\begin{array}{r} 159 \\ \hline 345 \end{array}$	483	$\begin{array}{r} 584 \\ \hline 345 \end{array}$	232	428	597	232	428
232	192	483	574	483	597	487	$\begin{array}{r} 159 \\ \hline 859 \end{array}$	$\begin{array}{r} 584 \\ \hline 297 \end{array}$	487
428	$\begin{array}{r} 483 \\ \hline 597 \end{array}$	574	$\begin{array}{r} 297 \\ \hline 483 \end{array}$	$\begin{array}{r} 192 \\ \hline 232 \end{array}$	428	859	297	487	859
597	$\begin{array}{r} 232 \\ \hline 574 \end{array}$	483	192	428	232	297	487	859	297
232	483	192	$\begin{array}{r} 574 \\ \hline 597 \end{array}$	232	597	$\begin{array}{r} 487 \\ \hline 232 \end{array}$	859	192	574
428	192	574	232	597	232	$\begin{array}{r} 597 \\ \hline 483 \end{array}$	192	574	$\begin{array}{r} 192 \\ \hline 597 \end{array}$
597	574	483	$\begin{array}{r} 597 \\ \hline 192 \end{array}$	428	$\begin{array}{r} 597 \\ \hline 483 \end{array}$	192	574	$\begin{array}{r} 192 \\ \hline 597 \end{array}$	232
232	$\begin{array}{r} 483 \\ \hline 428 \end{array}$	192	574	483	192	574	$\begin{array}{r} 192 \\ \hline 597 \end{array}$	232	428

Mystery Picture - Subtraction

3 Digit Subtraction

Date _____

Name _____

Green

$\begin{array}{r} 787 \\ - 595 \\ \hline \end{array}$	$\begin{array}{r} 755 \\ - 181 \\ \hline \end{array}$	$\begin{array}{r} 937 \\ - 454 \\ \hline \end{array}$
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Yellow

$\begin{array}{r} 817 \\ - 585 \\ \hline \end{array}$	$\begin{array}{r} 891 \\ - 294 \\ \hline \end{array}$	$\begin{array}{r} 835 \\ - 407 \\ \hline \end{array}$
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White

$\begin{array}{r} 743 \\ - 159 \\ \hline \end{array}$	$\begin{array}{r} 941 \\ - 782 \\ \hline \end{array}$
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Red

$\begin{array}{r} 479 \\ - 182 \\ \hline \end{array}$	$\begin{array}{r} 811 \\ - 324 \\ \hline \end{array}$	$\begin{array}{r} 974 \\ - 115 \\ \hline \end{array}$
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Black

$\begin{array}{r} 518 \\ - 173 \\ \hline \end{array}$

2,513	5,539	4,277	2,513	5,539 1,737	2,513 5,374	5,539	4,277	2,513	5,539
5,539	4,277	2,513	5,539	5,374	1,737	4,277	2,513	5,539	4,277
4,277	2,513	5,539	4,277 7,828	1,835	7,828	1,835 2,513	5,539	4,277	2,513
2,513	5,539	4,277 5,789	3,725	7,972	5,789	3,725	4,277 7,972	2,513	5,539
5,539	4,277	3,725	5,789	3,725	7,972	5,789	3,725	5,539	4,277
4,277	2,513	7,972	4,538	3,552	2,917	4,538	5,789	4,277	2,513
2,513	5,539	5,789	3,552	2,917	4,538	3,552	3,725	2,513	5,539
5,539	4,277	3,725	2,917	4,538	3,552	2,917	7,972	5,539	4,277
4,277	2,513	7,972	4,538	3,552	2,917	4,538	5,789	4,277	2,513
2,513	5,539	5,789	7,972	3,725	5,789	7,972	3,725	2,513	5,539

Mystery Picture - Subtraction

4 Digit Subtraction

Date _____

Name _____

Red			Blue		
5,418	9,355	9,534	7,833	5,845	4,740
<u>- 2,905</u>	<u>- 3,816</u>	<u>- 5,257</u>	<u>- 3,295</u>	<u>- 2,293</u>	<u>- 1,823</u>

White			Gray		Orange	
7,890	9,547	9,484	4,421	9,142	7,518	9,187
<u>- 2,101</u>	<u>- 1,575</u>	<u>- 5,759</u>	<u>- 2,586</u>	<u>- 1,314</u>	<u>- 2,144</u>	<u>- 7,450</u>

34,879	82,790	53,129	15,312	82,790	53,129	34,879	82,790	53,129	15,312
82,790	53,129	15,312	82,790	53,129	34,879	82,790	53,129	15,312	82,790
778,119	43,907	59,481	910,340	59,481	778,119	43,907	15,312 59,481	82,790	53,129
52,358	90,323	910,340	52,358	90,323	43,907	52,358	90,323	53,129	34,879
90,323	52,358	59,481	90,323	52,358	910,340	90,323	52,358	34,879	82,790
910,340	59,481	778,119	43,907	910,340	59,481	778,119	43,907	910,340	53,129 43,907
59,481	778,119	43,907	910,340	59,481	778,119	43,907	910,340	778,119	59,481
778,119	43,907	59,481	59,481	778,119	43,907	910,340	59,481	43,907	910,340
53,129	841,572	25,071	34,879	82,790	53,129	34,879	841,572	25,071	34,879
82,790	34,879	15,312	82,790	53,129	15,312	82,790	53,129	34,879	82,790

Mystery Picture - Forms of Numbers

Date _____

Name _____

Yellow

Write the numbers in standard form.

$$50,000 + 9,000 + 400 + 80 + 1$$

seven hundred seventy-eight thousand one hundred nineteen

$$40,000 + 3,000 + 900 + 7$$

nine hundred ten thousand three hundred forty

Green

Write the numbers in standard form.

$$80,000 + 2,000 + 700 + 90$$

fifty-three thousand, one hundred twenty-nine

$$30,000 + 4,000 + 800 + 70 + 9$$

fifteen thousand three hundred twelve

Black

Write the numbers in standard form.

$$20,000 + 5,000 + 70 + 1$$

eight hundred forty-one thousand five hundred seventy-two

Blue

$$50,000 + 2,000 + 300 + 50 + 8$$

ninety thousand three hundred twenty-three

100	500	3,500	700	7,000	4,000	3,500	7,000	700	3,500
500	100	700	7,000	7,700	4,300	7,000	700	3,500	2,000
3,500	700	7,000	4,000	4,300	1,500	800	4,300	700	3,500
700	7,000	4,000	3,500	4,300	7,700	3,500	4,000	7,000	4,000
7,000	4,000	3,500	7,700	4,300	1,500	3,000	7,700	4,000	3,500
4,000	3,500	4,300	7,700	1,500	3,000	9,000	800	7,700	3,500
3,500	4,300	1,500	6,000	9,000	800	2,000	1,500	7,700	7,000
700	7,000	3,000	2,000	800	1,500	6,000	3,000	7,000	4,000
5,800	200	9,000	800	3,000	2,100	5,900	800	3,000	9,000
5,000	1,000	800	1,500	9,000	5,900	2,100	1,500	9,000	800

Mystery Picture - Rounding Numbers

Date _____

Name _____

Red

Round the numbers to the nearest hundred.

788: _____ 1,547: _____
Round the numbers to the nearest thousand.

2,700: _____ 9,155: _____

Blue

Round the numbers to the nearest hundred.

748: _____ 3,451: _____
Round the numbers to the nearest thousand.

4,381: _____ 7,293: _____

Green

Round the numbers to the nearest hundred.

193: _____ 5,843: _____
Round the numbers to the nearest thousand.

4,529: _____ 1,289: _____

White

Round the number to the nearest thousand.

2,389: _____

5,521: _____

Brown

Round the number to the nearest hundred.

5,891: _____

2,138: _____

Black

Round the number to the nearest hundred.

4,292: _____

7,709: _____

Yellow

Round the number to the nearest hundred.

148: _____

472: _____

72	12	42	28	18	36	10	56	21	35
16	56	21	35	20	63	12	16	72	64
64	42	72	12	30	54	16	72	56	35
35	12	16	16	28	18	72	64	42	21
16	72	21	35 54	36	10	12 28	35	12	64
21	35	16 10	20	63	30	54	56 20	16	72
56	42 0	32	45	9	49	48	24	21 45	16
35 14	45	24	49	48	0	32	14	9	35 48
0	49	9	14	32	24	45	48	49	0
24 72	48	0	49	45	14	9	32	24	9 56

Mystery Picture - Multiplication

Multiplication Facts

Date _____

Name _____

Purple

$9 \times 8 =$ _____

$7 \times 8 =$ _____

$4 \times 3 =$ _____

$8 \times 8 =$ _____

$3 \times 7 =$ _____

$6 \times 7 =$ _____

$7 \times 5 =$ _____

$2 \times 8 =$ _____

Blue

$4 \times 7 =$ _____

$9 \times 2 =$ _____

$9 \times 4 =$ _____

$2 \times 5 =$ _____

$5 \times 4 =$ _____

$7 \times 9 =$ _____

$5 \times 6 =$ _____

$9 \times 6 =$ _____

Green

$5 \times 9 =$ _____

$8 \times 6 =$ _____

$3 \times 3 =$ _____

$8 \times 3 =$ _____

$0 \times 4 =$ _____

$7 \times 2 =$ _____

Yellow

$8 \times 4 =$ _____

$7 \times 7 =$ _____

480	180 560	150	560	720	150	560	150	720 560	140
140	270	120	400	320	420	250	320	150	180
180	250	320	270	250	120	270	400	560	480
480	420	560	150	720	560	150	250	720	140
140	320	720	560	150	720	560	270	150	180
180	250	270	120	400	270	420	320	560	480
480	400	320	250	420	320	250	120	720	140
140	250	120	320	400	120	270	400	150	180
180	320	270	400	120	250	420	320	560	480
480	120	250	320	420	270	400	120	720 180	140

Mystery Picture - Multiplication

Whole Numbers Times Multiples of Ten

Date _____

Name _____

Blue

$\begin{array}{r} 30 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 50 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 40 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 90 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 50 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 60 \\ \times 7 \\ \hline \end{array}$
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Yellow

$\begin{array}{r} 70 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 30 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 80 \\ \times 6 \\ \hline \end{array}$
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White

$\begin{array}{r} 70 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 50 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 90 \\ \times 8 \\ \hline \end{array}$
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Answer Key

Page 3 - 3 Digit Addition

724	304	341	755	477	271	724	304	341	755	Mystery Picture - Addition Answer Key
477	724	271	304	341	755	477	724	271	304	
702	713	888	552	973	379	835	903	432	849	
713	702	888	552	379	973	835	903	849	432	
482	581	482	581	482	581	482	581	482	581	
702	713	552	888	973	379	903	835	432	849	
713	702	888	552	379	973	835	903	849	432	
702	713	552	888	973	379	903	835	432	849	
581	482	581	482	581	482	581	482	581	482	
713	702	888	552	379	973	835	903	849	432	
341	755	477	271	724	304	341	755	477	271	
Green	277	330	Yellow	244	405	Orange	317	124		
	+ 558	+ 573		+ 135	+ 568		+ 571	+ 428		
	835	903		379	973		888	552		
Blue	185	392	Red	385	185	White	359	462		
	+ 247	+ 457		+ 328	+ 517		+ 123	+ 119		
	432	849		713	702		482	581		
Purple	122	397		377	123		131	319		
	+ 219	+ 358		+ 347	+ 148		+ 173	+ 158		
	341	755		724	271		304	477		

Page 4 - 4 Digit Addition

9,478	5,942	9,478	5,942	8,319	9,478	8,319	5,942	9,478	8,319	Mystery Picture - Addition Answer Key
5,942	8,319	5,942	8,319	9,478	4,301	5,242	8,399	7,729	5,942	
8,319	9,478	8,319	5,942	3,848	5,838	7,844	4,301	5,242	9,478	
5,942	8,319	9,478	3,848	5,838	7,844	3,848	5,838	4,301	5,242	
8,319	5,942	3,848	5,838	7,844	3,848	5,838	7,844	3,848	4,301	
9,478	5,838	7,844	3,848	5,838	7,844	3,848	5,838	7,844	5,942	
4,527	5,451	5,838	7,844	3,848	5,838	7,844	5,942	5,942	8,319	
4,527	5,451	4,527	5,838	7,844	3,848	5,838	7,844	5,942	8,319	
5,942	4,527	5,451	4,527	7,844	3,848	5,838	7,844	5,942	8,319	
8,319	8,319	4,527	5,451	4,527	5,942	5,942	8,319	9,478	5,942	
9,478	5,942	5,451	4,527	5,451	5,942	8,319	9,478	5,942	8,319	
Blue	5,957	1,301	Yellow	2,878	1,945	5,035	3,515			
	+ 3,521	+ 4,641		+ 5,441	+ 1,903	+ 2,809	+ 2,323			
	9,478	5,942		8,319	3,848	7,844	5,838			
Tan	1,737	1,045	Pink	1,152	2,419	Black	5,410			
	+ 2,564	+ 4,197		+ 3,375	+ 3,032		+ 4,478	+ 2,989		
	4,301	5,242		4,527	5,451		7,729	8,399		

Page 5 - 3 Digit Subtraction

428	232	597	428	232	428	597	232	428	597	Mystery Picture - Subtraction Answer Key
232	597	574	192	428	597	232	428	597	232	
597	574	159	345	483	584	345	232	428	597	
232	192	483	574	483	597	487	159	584	487	
428	483	574	297	192	428	859	297	487	859	
597	232	483	192	428	232	297	487	859	297	
232	483	192	574	232	597	232	597	192	574	
428	192	574	232	597	232	597	192	574	192	
597	574	483	192	428	483	192	574	597	232	
232	483	192	574	483	192	574	192	232	428	
Green	787	755	Yellow	937	817	891	835			
	- 595	- 181		- 454	- 585	- 294	- 407			
	192	574		483	232	597	428			
White	743	941	Red	479	811	974	518			
	- 159	- 782		- 182	- 324	- 115	- 173			
	584	150		297	487	859	345			

Page 6 - 4 Digit Subtraction

2,513	5,539	4,277	2,513	5,539	2,513	5,539	4,277	2,513	5,539	Mystery Picture - Subtraction Answer Key
5,539	4,277	2,513	5,539	5,374	1,737	4,277	2,513	5,539	4,277	
4,277	2,513	5,539	4,277	7,828	1,835	7,828	1,835	2,513	5,539	
2,513	5,539	4,277	3,725	7,972	5,789	3,725	4,277	2,513	5,539	
5,539	4,277	3,725	5,789	3,725	7,972	5,789	3,725	5,539	4,277	
4,277	2,513	7,972	4,538	3,552	2,917	4,538	5,789	4,277	2,513	
2,513	5,539	5,789	3,552	2,917	4,538	3,552	3,725	2,513	5,539	
5,539	4,277	3,725	2,917	4,538	3,552	2,917	7,972	5,539	4,277	
4,277	2,513	7,972	4,538	3,552	2,917	4,538	5,789	4,277	2,513	
2,513	5,539	5,789	7,972	3,725	5,789	7,972	3,725	2,513	5,539	
Red	5,418	9,355	Blue	9,534	7,833	5,845	4,740			
	- 2,905	- 3,816		- 5,257	- 3,295	- 2,293	- 1,823			
	2,513	5,539		4,277	4,538	3,552	2,917			
White	7,890	9,547	Grey	9,484	4,421	9,142	7,518			
	- 2,101	- 1,575		- 5,759	- 2,586	- 1,314	- 2,144			
	5,789	7,972		3,725	1,835	7,828	5,374			

Answer Key

Page 7 - Forms of Numbers

34,879	82,790	53,129	15,312	82,790	53,129	34,879	82,790	53,129	15,312
82,790	53,129	15,312	82,790	53,129	34,879	82,790	53,129	15,312	82,790
778,119	43,907	59,481	910,340	59,481	778,119	43,907	59,481	910,340	59,481
52,358	90,323	910,340	52,358	90,323	43,907	52,358	90,323	53,129	34,879
90,323	52,358	59,481	90,323	52,358	910,340	90,323	52,358	34,879	82,790
910,340	59,481	778,119	43,907	910,340	59,481	778,119	43,907	910,340	59,481
59,481	778,119	43,907	910,340	59,481	778,119	43,907	910,340	778,119	59,481
778,119	43,907	59,481	910,340	59,481	778,119	43,907	910,340	778,119	43,907
53,129	82,790	53,129	34,879	82,790	53,129	34,879	82,790	53,129	34,879
82,790	34,879	15,312	82,790	53,129	15,312	82,790	53,129	34,879	82,790

Mystery Picture - Forms of Numbers Answer Key

Yellow Write the numbers in standard form. 50,000 + 9,000 + 400 + 80 + 1 59,481 seven hundred seventy-eight thousand one hundred nineteen 778,119 40,000 + 3,000 + 900 + 7 43,907 nine hundred ten thousand three hundred forty 910,340	Green Write the numbers in standard form. 80,000 + 2,000 + 700 + 90 82,790 fifty-three thousand, one hundred twenty-nine 53,129 30,000 + 4,000 + 800 + 70 + 9 34,879 fifteen thousand three hundred twelve forty 15,312	Black Write the numbers in standard form. 20,000 + 5,000 + 70 + 1 25,071 eight hundred forty-one thousand five hundred seventy-two 841,572 Blue 50,000 + 2,000 + 300 + 50 + 8 52,358 ninety thousand three hundred twenty-three 90,323
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Page 8 - Rounding

100	500	3,500	700	7,000	4,300	3,500	7,000	700	3,500
500	100	700	7,000	4,300	7,700	7,000	700	3,500	2,000
3,500	700	7,000	4,000	9,000	3,000	700	3,500	2,000	6,000
700	7,000	4,000	3,500	4,300	7,700	3,500	4,000	7,000	4,000
7,000	4,000	3,500	7,700	4,300	1,500	3,000	7,700	4,000	3,500
4,000	3,500	7,700	4,300	1,500	3,000	9,000	800	7,700	4,300
3,500	4,300	1,500	6,000	9,000	800	2,000	1,500	7,700	7,000
700	7,000	3,000	2,000	800	1,500	6,000	3,000	7,000	4,000
5,800	200	9,000	800	3,000	2,100	5,900	3,000	9,000	5,000
5,000	1,000	800	1,500	9,000	3,000	2,100	1,500	9,000	800

Mystery Picture - Rounding Numbers Answer Key

Red Round the numbers to the nearest hundred. 788: 800 1,547: 1,500 Round the numbers to the nearest thousand. 2,700: 3,000 9,155: 9,000	White Round the number to the nearest hundred. 2,389: 2,400 Round the number to the nearest thousand. 5,521: 6,000	Brown Round the number to the nearest hundred. 5,891: 5,900 Round the number to the nearest thousand. 2,138: 2,100
Blue Round the numbers to the nearest hundred. 748: 700 3,451: 3,500 Round the numbers to the nearest thousand. 4,381: 4,000 7,293: 7,000	Black Round the number to the nearest hundred. 4,292: 4,300 Round the number to the nearest thousand. 7,709: 8,000	Yellow Round the number to the nearest hundred. 148: 100 Round the number to the nearest thousand. 472: 500
Green Round the numbers to the nearest hundred. 193: 200 5,843: 5,800 Round the numbers to the nearest thousand. 4,529: 5,000 1,289: 1,000		

Page 9 - Multiplication Facts

72	12	42	28	18	36	10	56	21	35
16	56	21	35	20	63	12	16	72	64
64	42	72	12	30	54	16	72	56	35
35	12	16	16	28	18	72	64	42	21
16	72	21	35	36	10	28	35	12	64
21	35	16	20	63	30	54	20	56	16
56	42	10	32	45	9	49	48	24	45
35	45	24	49	48	0	32	14	9	35
0	49	9	14	32	24	45	48	49	0
24	48	0	49	45	14	9	32	24	9

Mystery Picture - Multiplication Facts Answer Key

Purple 9 x 8 = 72 7 x 8 = 56 4 x 3 = 12 8 x 8 = 64 3 x 7 = 21 6 x 7 = 42 7 x 5 = 35 2 x 8 = 16	Green 5 x 9 = 45 8 x 6 = 48 3 x 3 = 9 8 x 3 = 24
Blue 4 x 7 = 28 9 x 2 = 18 9 x 4 = 36 2 x 5 = 10 5 x 4 = 20 7 x 9 = 63 5 x 6 = 30 9 x 6 = 54	Yellow 0 x 4 = 0 7 x 2 = 14 8 x 4 = 32 7 x 7 = 49

Page 10 - Whole Numbers Times Multiples of Ten

480	180	150	560	720	150	560	150	720	140
140	270	120	400	320	420	250	320	150	180
180	250	320	270	250	120	270	400	560	480
480	420	560	150	720	560	150	250	720	140
140	320	720	560	150	720	560	270	150	180
180	250	270	120	400	270	420	320	560	480
480	400	320	250	420	320	250	120	720	140
140	250	120	320	400	120	270	400	150	180
180	320	270	400	120	250	420	320	560	480
480	120	250	320	420	270	400	120	720	140

Mystery Picture - Multiplication Facts Answer Key

Blue 30 50 40 90 50 60 x 4 x 5 x 8 x 3 x 8 x 7 120 250 320 270 400 420	White 70 50 90 x 8 x 3 x 8 560 150 720
Yellow 70 30 80 x 2 x 6 x 6 140 180 480	

Mystery Picture - Forms of Numbers

Name _____

Date _____

35,259	83,728	14,090	32,119	98,409	80,271	98,409	19,270	32,119	83,728	14,090	83,728
14,090	12,718	80,271	$\frac{19,270}{35,027}$	60,583	$\frac{32,119}{47,985}$	80,271	$\frac{98,409}{47,985}$	53,534	$\frac{80,271}{60,583}$	12,718	35,259
35,259	98,409	19,270	53,534	32,119	47,985	19,270	60,583	80,271	35,027	98,409	83,728
83,728	32,119	98,409	80,271	19,270	98,409	80,271	19,270	19,270	98,409	80,271	14,090
12,718	80,271	19,270	32,119	98,409	19,270	32,119	98,409	80,271	19,270	32,119	35,259
14,090	32,119	98,409	35,027	80,271	32,119	19,270	80,271	47,985	98,409	80,271	12,718
35,259	19,270	80,271	98,409	47,985	53,534	60,583	35,027	98,409	32,119	19,270	83,728
83,728	12,718	32,119	19,270	98,409	80,271	32,119	98,409	19,270	80,271	12,718	14,090
35,259	14,090	83,728	80,271	32,119	19,270	98,409	80,271	32,119	14,090	83,728	35,259

Yellow

Write the numbers in standard form.

$80,000 + 200 + 70 + 1$

Thirty-two thousand one hundred nineteen

$10,000 + 9,000 + 200 + 70$

Ninety-eight thousand four hundred nine

Purple

Write the numbers in standard form.

$10,000 + 4,000 + 90$

Eighty-three thousand seven hundred twenty-eight

$30,000 + 5,000 + 200 + 50 + 9$

Twelve thousand seven hundred eighteen

Black

Write the numbers in standard form.

$30,000 + 5,000 + 20 + 7$

Forty-seven thousand nine hundred eighty-five

$50,000 + 3,000 + 500 + 30 + 4$

Sixty thousand five hundred eighty-three

Mystery Picture - Multiplication

2 Digit x 1 Digit

Name _____

Date _____

153	259	284	390	182	384	182	390	279	259	284	153
284	712	182	384	592	390	279	133	182	384	712	259
153	390	279	182	133	384	182	592	390	279	384	153
259	182	390	384	279	182	390	279	384	182	390	712
284	384	279	182	390	384	279	182	390	279	384	284
712	182	390	592	133	592	133	592	133	182	279	259
153	279	384	182	133	837	455	133	279	384	390	153
259	284	390	279	384	133	592	279	390	182	712	284
153	712	259	182	390	279	384	182	384	284	259	153

Green

$$\begin{array}{r} 37 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 71 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 51 \\ \times 3 \\ \hline \end{array}$$

Black

$$\begin{array}{r} 74 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ \times 7 \\ \hline \end{array}$$

Yellow

$$\begin{array}{r} 91 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 93 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ \times 8 \\ \hline \end{array}$$

White

$$\begin{array}{r} 93 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ \times 7 \\ \hline \end{array}$$

Mystery Picture - Prime and Composite Numbers

Name _____

Date _____

5	3	2	4	9	8	10	6	14	11	2	3	
2	7	10	14	15	6	12	4	16	12	9	5	7
13	8	15	6	19	4	15	17	14	4	6	2	
5	9	4	12	16	8	14	9	16	10	12	13	
3	6	14	10	4	12	15	4	8	9	15	3	
11	8	18	21	9	6	14	10	16	21	18	4	7
2	4	20	22	10	4	9	8	22	20	6	11	
7	13	6	9	8	15	12	4	10	16	2	13	
3	5	2	4	10	6	9	14	8	7	3	5	

Blue

Prime numbers between 0 - 15

List them and then color them on the drawing above

Black

Prime numbers between 16 - 20

List them and then color them on the drawing above

Green

Composite numbers between 1 - 17

List them and then color them on the drawing above

Pink

Composite numbers between 17 - 23

List them and then color them on the drawing above

Mystery Picture - Division Facts

Name _____

Date _____

10	1	6	11	7	9	2	7	11	1	5	1
6	5	7	2 4	0	11 4	7	9 0	4	7 0	6	10
1	9	11	0	11	0	2	4	7	4	9	5
5	11	7	9	2	11	7	9	2	11	7	1
6	7	2	11	7	9	2	11	7	9	2	6
10	9	0	4	0	4	0	4	0	4	7	10
1	2	7	0	3	8	3	8	4	2	11	5
5	6	9	11	4	0	4	0	9	7	10	1
1	10	5	7	2	9	11	7	2	1	6	5

Purple

$4 \div 4 = \underline{\quad}$

$42 \div 7 = \underline{\quad}$

$30 \div 6 = \underline{\quad}$

$30 \div 3 = \underline{\quad}$

$70 \div 7 = \underline{\quad}$

$35 \div 7 = \underline{\quad}$

$24 \div 4 = \underline{\quad}$

$9 \div 9 = \underline{\quad}$

Black

$2 \div 0 = \underline{\quad}$

$32 \div 8 = \underline{\quad}$

$16 \div 4 = \underline{\quad}$

$7 \div 0 = \underline{\quad}$

Yellow

$14 \div 7 = \underline{\quad}$

$56 \div 8 = \underline{\quad}$

$88 \div 8 = \underline{\quad}$

$18 \div 9 = \underline{\quad}$

$21 \div 3 = \underline{\quad}$

$27 \div 3 = \underline{\quad}$

$72 \div 8 = \underline{\quad}$

$77 \div 7 = \underline{\quad}$

White

$9 \div 3 = \underline{\quad}$

$56 \div 7 = \underline{\quad}$

$48 \div 6 = \underline{\quad}$

$12 \div 4 = \underline{\quad}$

Answer Key

Page 14 - Forms of Numbers

Mystery Picture - Forms of Numbers Answer Key

35,259	83,728	14,090	32,119	98,409	80,271	98,409	19,270	32,119	83,728	14,090	83,728
14,090	12,718	80,271	19,270	60,583	80,271	80,271	60,583	80,271	12,718	35,259	35,259
35,259	98,409	19,270	53,534	32,119	47,985	19,270	60,583	80,271	35,027	98,409	83,728
83,728	32,119	98,409	80,271	19,270	98,409	80,271	19,270	19,270	98,409	80,271	14,090
12,718	80,271	19,270	32,119	98,409	19,270	32,119	98,409	80,271	19,270	32,119	35,259
14,090	32,119	98,409	35,027	80,271	32,119	19,270	80,271	47,985	98,409	80,271	12,718
35,259	19,270	80,271	98,409	47,985	53,534	60,583	35,027	98,409	32,119	19,270	83,728
83,728	12,718	32,119	19,270	98,409	80,271	32,119	98,409	19,270	80,271	12,718	14,090
35,259	14,090	83,728	80,271	32,119	19,270	98,409	80,271	32,119	14,090	83,728	35,259

Yellow Write the numbers in standard form. $80,000 + 200 + 70 + 1$ 80,271 Thirty-two thousand one hundred nineteen 32,119 $10,000 + 9,000 + 200 + 70$ 19,270 Ninety-eight thousand four hundred nine 98,409	Purple Write the numbers in standard form. $20,000 + 4,000 + 90$ 14,090 Eighty-three thousand seven hundred twenty-eight 83,728 $30,000 + 5,000 + 200 + 50 + 9$ 35,259 Twelve thousand seven hundred eighteen 12,718	Black Write the numbers in standard form. $30,000 + 5,000 + 20 + 7$ 35,027 Forty-seven thousand nine hundred eighty-five 47,985 $50,000 + 3,000 + 500 + 30 + 4$ 53,534 Sixty thousand five hundred eighty-three 60,583
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Page 15 - 2 Digits Times 1 Digit

Mystery Picture - Multiplication 2 Digit x 1 Digit Answer Key

153	259	284	390	182	384	182	390	279	259	284	153
284	712	182	384	592	390	279	133	182	384	712	259
153	390	279	182	133	384	182	592	390	279	384	153
259	182	390	384	279	182	390	279	384	182	390	712
284	384	279	182	390	384	279	182	390	279	384	284
712	182	390	592	133	592	133	592	133	182	279	259
153	279	384	182	133	837	455	133	279	384	390	153
259	284	390	279	384	133	592	279	390	182	712	284
153	712	259	182	390	279	384	182	384	284	259	153

Green $37 \times 7 = 259$ $71 \times 4 = 284$ $89 \times 8 = 712$ $51 \times 3 = 153$	Black $74 \times 8 = 592$ $19 \times 7 = 133$
Yellow $91 \times 2 = 182$ $78 \times 5 = 390$ $93 \times 3 = 279$ $48 \times 8 = 384$	White $93 \times 9 = 837$ $65 \times 7 = 455$

Page 16 Prime and Composite Numbers

Mystery Picture - Prime and Composite Numbers Answer Key

5	3	2	4	9	8	10	6	14	11	2	3	
2	7	10	14	15	6	12	4	16	4	9	5	7
13	8	15	6	19	4	15	17	14	4	6	2	
5	9	4	12	16	8	14	9	16	10	12	13	
3	6	14	10	4	12	15	4	8	9	15	3	
11	8	18	21	9	15	6	14	10	21	18	4	7
2	4	20	22	10	4	9	8	22	20	6	11	
7	13	6	9	8	15	12	4	10	16	2	13	
3	5	2	4	10	6	9	14	8	7	3	5	

Blue Prime numbers between 0 - 15 List them and then color them on the drawing above 2, 3, 5, 7, 11, 13	Black Prime numbers between 16 - 20 List them and then color them on the drawing above 17, 19
Green Composite numbers between 1 - 17 List them and then color them on the drawing above 4, 6, 8, 9, 10, 12, 14, 15, 16	Pink Composite numbers between 17 - 23 List them and then color them on the drawing above 18, 20, 21, 22

Page 17 - Division Facts

Mystery Picture - Division Facts Answer Key

10	1	6	11	7	9	2	7	11	1	5	1
6	5	7	2	11	7	9	7	7	6	10	10
1	9	11	11	2	2	7	9	9	5	5	5
5	11	7	9	2	11	7	9	2	11	7	1
6	7	2	11	7	9	2	11	7	9	2	6
10	9	0	4	0	4	0	4	0	4	7	10
1	2	7	0	3	8	3	8	4	2	11	5
5	6	9	11	4	0	4	0	9	7	10	1
1	10	5	7	2	9	11	7	2	1	6	5

Purple $4 \div 4 = 1$ $30 \div 6 = 5$ $70 \div 7 = 10$ $24 \div 4 = 6$	Black $42 \div 7 = 6$ $30 \div 3 = 10$ $35 \div 7 = 5$ $9 \div 9 = 1$	Black $2 \div 0 = 0$ $32 \div 8 = 4$ $16 \div 4 = 4$ $7 \div 0 = 0$
Yellow $14 \div 7 = 2$ $88 \div 8 = 11$ $21 \div 3 = 7$ $72 \div 8 = 9$	White $56 \div 8 = 7$ $18 \div 9 = 2$ $27 \div 3 = 9$ $77 \div 7 = 11$	White $9 \div 3 = 3$ $56 \div 7 = 8$ $48 \div 6 = 8$ $12 \div 4 = 3$