Mental addition

Complete one hundred (missing addend)

Solve.

1 a.	_____ + 17 = 100	**1 b.**	72 + _____ = 100
2 a.	49 + _____ = 100	**2 b.**	_____ + 53 = 100
3 a.	3 + _____ = 100	**3 b.**	_____ + 8 = 100
4 a.	_____ + 11 = 100	**4 b.**	_____ + 48 = 100
5 a.	_____ + 38 = 100	**5 b.**	91 + _____ = 100
6 a.	_____ + 43 = 100	**6 b.**	29 + _____ = 100
7 a.	66 + _____ = 100	**7 b.**	_____ + 80 = 100
8 a.	76 + _____ = 100	**8 b.**	63 + _____ = 100
9 a.	42 + _____ = 100	**9 b.**	8 + _____ = 100

10 a. 90 + _____ = 100

10 b. _____ + 9 = 100

Add two 2-digit numbers - one addend is a whole ten

Solve.

1 a. 66 + 60 = _____

1 b. 67 + 40 = _____

2 a. 10 + 98 = _____

2 b. 21 + 40 = _____

3 a. 89 + 30 = _____

3 b. 37 + 100 = _____

4 a. 30 + 19 = _____

4 b. 100 + 37 = _____

5 a. 19 + 100 = _____

5 b. 70 + 68 = _____

6 a. 70 + 46 = _____

6 b. 40 + 68 = _____

7 a. 52 + 50 = _____

7 b. 30 + 54 = _____

8 a. 80 + 75 = _____

8 b. 19 + 60 = _____

9 a. 45 + 20 = _____

9 b. 60 + 82 = _____

10 a. 70 + 26 = _____

10 b. 90 + 31 = _____

Add two 2-digit numbers - one addend is a whole ten - missing addend

Solve.

1 a.	_____ + 16 = 106	**1 b.**	60 + _____ = 74
2 a.	_____ + 70 = 109	**2 b.**	70 + _____ = 89
3 a.	_____ + 40 = 68	**3 b.**	40 + _____ = 140
4 a.	80 + _____ = 131	**4 b.**	_____ + 70 = 105
5 a.	74 + _____ = 94	**5 b.**	11 + _____ = 111
6 a.	_____ + 60 = 96	**6 b.**	93 + _____ = 173
7 a.	21 + _____ = 61	**7 b.**	_____ + 39 = 49
8 a.	_____ + 50 = 112	**8 b.**	20 + _____ = 40
9 a.	18 + _____ = 118	**9 b.**	_____ + 80 = 100

10 a. _____ + 49 = 89

10 b. 36 + _____ = 46

Add a 1-digit number to a 2-digit number

Solve.

1 a.	8 + 86 = _____	**1 b.**	64 + 7 = _____
2 a.	6 + 45 = _____	**2 b.**	3 + 75 = _____
3 a.	84 + 4 = _____	**3 b.**	82 + 8 = _____
4 a.	7 + 64 = _____	**4 b.**	31 + 6 = _____
5 a.	13 + 6 = _____	**5 b.**	5 + 24 = _____
6 a.	98 + 2 = _____	**6 b.**	5 + 80 = _____
7 a.	91 + 4 = _____	**7 b.**	2 + 37 = _____
8 a.	93 + 6 = _____	**8 b.**	58 + 9 = _____

9 a. 71 + 5 = _____ **9 b.** 13 + 2 = _____

10 a. 7 + 75 = _____ **10 b.** 68 + 7 = _____

Add a 1-digit number and a 2-digit number - missing addend

Solve.

1 a. _____ + 77 = 85 **1 b.** _____ + 5 = 66

2 a. 5 + _____ = 94 **2 b.** _____ + 72 = 74

3 a. _____ + 8 = 61 **3 b.** _____ + 33 = 36

4 a. _____ + 97 = 104 **4 b.** _____ + 4 = 26

5 a. _____ + 2 = 91 **5 b.** 93 + _____ = 99

6 a. _____ + 21 = 23 **6 b.** _____ + 37 = 39

7 a. _____ + 7 = 101

7 b. 45 + _____ = 52

8 a. 82 + _____ = 87

8 b. 79 + _____ = 81

9 a. _____ + 94 = 100

9 b. 3 + _____ = 36

10 a. _____ + 8 = 82

10 b. 4 + _____ = 24

Add a 2-digit number and two 1-digit numbers

Solve.

1 a.	6 + 2 + 26 = _____	**1 b.**	6 + 18 + 3 = _____
2 a.	2 + 9 + 28 = _____	**2 b.**	63 + 2 + 9 = _____
3 a.	78 + 9 + 8 = _____	**3 b.**	26 + 2 + 4 = _____
4 a.	70 + 6 + 4 = _____	**4 b.**	29 + 4 + 7 = _____
5 a.	37 + 8 + 8 = _____	**5 b.**	7 + 90 + 6 = _____
6 a.	85 + 9 + 4 = _____	**6 b.**	8 + 5 + 34 = _____
7 a.	9 + 15 + 6 = _____	**7 b.**	7 + 5 + 35 = _____
8 a.	36 + 8 + 2 = _____	**8 b.**	87 + 5 + 9 = _____
9 a.	61 + 2 + 8 = _____	**9 b.**	29 + 4 + 5 = _____

10 a. 85 + 8 + 6 = _____

10 b. 43 + 9 + 5 = _____

Add a 3-digit number and a 1-digit number

Solve.

1 a.	408 + 3 = _____	**1 b.**	219 + 8 = _____
2 a.	929 + 9 = _____	**2 b.**	519 + 7 = _____
3 a.	915 + 3 = _____	**3 b.**	893 + 2 = _____
4 a.	182 + 5 = _____	**4 b.**	480 + 2 = _____
5 a.	142 + 8 = _____	**5 b.**	978 + 6 = _____
6 a.	776 + 8 = _____	**6 b.**	586 + 4 = _____
7 a.	773 + 4 = _____	**7 b.**	487 + 4 = _____
8 a.	255 + 2 = _____	**8 b.**	503 + 8 = _____
9 a.	143 + 2 = _____	**9 b.**	120 + 4 = _____

10 a. 674 + 2 = _____

10 b. 336 + 3 = _____

Add two whole tens and two 1-digit numbers (print in landscape)

Solve.

1 a.	40 + 2 + 7 + 90 = _____	**1 b.**	90 + 3 + 5 + 70 = _____
2 a.	8 + 30 + 3 + 20 = _____	**2 b.**	8 + 7 + 50 + 10 = _____
3 a.	60 + 4 + 5 + 30 = _____	**3 b.**	10 + 6 + 7 + 20 = _____
4 a.	70 + 10 + 7 + 9 = _____	**4 b.**	8 + 5 + 70 + 20 = _____
5 a.	7 + 50 + 2 + 30 = _____	**5 b.**	10 + 50 + 8 + 4 = _____
6 a.	90 + 90 + 9 + 7 = _____	**6 b.**	40 + 50 + 8 + 2 = _____
7 a.	80 + 3 + 5 + 50 = _____	**7 b.**	40 + 20 + 2 + 9 = _____

Add two whole tens and two 1-digit numbers - missing addend (print in landscape)

Solve.

1 a.	20 + 50 + 9 + _____ = 83	**1 b.**	50 + _____ + 7 + 4 = 111
2 a.	70 + _____ + 4 + 6 = 90	**2 b.**	40 + 8 + 8 + _____ = 106
3 a.	2 + 60 + _____ + 10 = 81	**3 b.**	10 + 70 + _____ + 6 = 94
4 a.	_____ + 4 + 50 + 10 = 66	**4 b.**	20 + 40 + _____ + 7 = 71
5 a.	20 + 4 + 4 + _____ = 38	**5 b.**	20 + 60 + _____ + 8 = 92
6 a.	50 + _____ + 6 + 90 = 149	**6 b.**	80 + _____ + 8 + 7 = 115
7 a.	_____ + 50 + 9 + 9 = 98	**7 b.**	3 + 30 + 2 + _____ = 85

Adding whole tens (3 addends)

Solve.

1 a.	70 + 10 + 20 = _____	**1 b.**	20 + 10 + 40 = _____
2 a.	40 + 10 + 30 = _____	**2 b.**	30 + 20 + 20 = _____
3 a.	50 + 10 + 70 = _____	**3 b.**	30 + 60 + 90 = _____
4 a.	20 + 10 + 10 = _____	**4 b.**	40 + 70 + 70 = _____
5 a.	60 + 90 + 20 = _____	**5 b.**	40 + 30 + 80 = _____
6 a.	10 + 20 + 70 = _____	**6 b.**	40 + 50 + 10 = _____
7 a.	60 + 90 + 50 = _____	**7 b.**	10 + 20 + 50 = _____
8 a.	20 + 30 + 40 = _____	**8 b.**	70 + 80 + 60 = _____
9 a.	90 + 50 + 20 = _____	**9 b.**	30 + 50 + 40 = _____
10 a.	30 + 80 + 30 = _____	**10 b.**	20 + 30 + 50 = _____

Adding whole tens (3 addends) - missing addend (print in landscape)

Solve.

1 a.	_____ + 70 + 20 = 110	**1 b.**	70 + _____ + 50 = 210
2 a.	40 + _____ + 60 = 160	**2 b.**	60 + 60 + _____ = 150
3 a.	70 + _____ + 70 = 210	**3 b.**	20 + _____ + 70 = 140
4 a.	60 + _____ + 20 = 90	**4 b.**	_____ + 80 + 30 = 140
5 a.	90 + _____ + 10 = 170	**5 b.**	_____ + 10 + 30 = 70
6 a.	_____ + 90 + 70 = 180	**6 b.**	_____ + 60 + 60 = 210
7 a.	50 + _____ + 40 = 120	**7 b.**	_____ + 50 + 80 = 220
8 a.	_____ + 90 + 10 = 180	**8 b.**	_____ + 80 + 50 = 170

Adding whole tens (4 addends) (print in landscape)

Solve.

1 a.	20 + 80 + 60 + 20 = _____	**1 b.**	10 + 60 + 50 + 40 = _____
2 a.	70 + 30 + 10 + 80 = _____	**2 b.**	80 + 90 + 10 + 60 = _____
3 a.	60 + 30 + 30 + 10 = _____	**3 b.**	50 + 70 + 20 + 30 = _____
4 a.	40 + 20 + 40 + 40 = _____	**4 b.**	50 + 70 + 90 + 60 = _____
5 a.	20 + 60 + 90 + 20 = _____	**5 b.**	50 + 60 + 80 + 90 = _____
6 a.	40 + 40 + 50 + 10 = _____	**6 b.**	10 + 50 + 90 + 10 = _____
7 a.	60 + 40 + 90 + 10 = _____	**7 b.**	50 + 10 + 50 + 30 = _____
8 a.	90 + 60 + 40 + 70 = _____	**8 b.**	30 + 50 + 90 + 40 = _____

Adding whole tens (4 addends) - missing addend (print in landscape)

Solve.

1 a.	_____ + 30 + 90 + 40 = 170	**1 b.**	30 + 60 + 30 + _____ = 140
2 a.	_____ + 80 + 20 + 30 = 200	**2 b.**	_____ + 20 + 30 + 40 = 110
3 a.	_____ + 10 + 70 + 30 = 130	**3 b.**	50 + 60 + _____ + 70 = 250
4 a.	30 + 90 + _____ + 20 = 190	**4 b.**	30 + 40 + 40 + _____ = 150
5 a.	90 + 60 + _____ + 60 = 280	**5 b.**	60 + _____ + 80 + 80 = 270
6 a.	10 + 90 + _____ + 60 = 180	**6 b.**	40 + 30 + _____ + 60 = 170
7 a.	_____ + 40 + 40 + 40 = 150	**7 b.**	20 + 40 + _____ + 30 = 160
8 a.	_____ + 20 + 90 + 60 = 250	**8 b.**	90 + _____ + 60 + 20 = 250

Adding whole hundreds (2 addends)

Solve.

1 a.	700 + 700 = _____	**1 b.**	400 + 800 = _____
2 a.	200 + 100 = _____	**2 b.**	1000 + 800 = _____
3 a.	800 + 200 = _____	**3 b.**	700 + 200 = _____
4 a.	400 + 300 = _____	**4 b.**	600 + 200 = _____
5 a.	700 + 400 = _____	**5 b.**	100 + 500 = _____
6 a.	300 + 400 = _____	**6 b.**	400 + 200 = _____
7 a.	300 + 700 = _____	**7 b.**	200 + 900 = _____
8 a.	300 + 200 = _____	**8 b.**	800 + 500 = _____
9 a.	600 + 900 = _____	**9 b.**	500 + 600 = _____

10 a. 800 + 600 = _____ **10 b.** 900 + 600 = _____

Adding whole hundreds (3 addends) (print in landscape)

Solve.

1 a.	700 + 500 + 700 = _____	**1 b.**	200 + 700 + 900 = _____
2 a.	700 + 900 + 700 = _____	**2 b.**	900 + 400 + 700 = _____
3 a.	900 + 700 + 900 = _____	**3 b.**	300 + 700 + 600 = _____
4 a.	800 + 900 + 700 = _____	**4 b.**	100 + 400 + 700 = _____
5 a.	500 + 300 + 800 = _____	**5 b.**	800 + 600 + 400 = _____
6 a.	600 + 100 + 100 = _____	**6 b.**	900 + 100 + 700 = _____
7 a.	400 + 600 + 200 = _____	**7 b.**	600 + 900 + 100 = _____
8 a.	400 + 900 + 800 = _____	**8 b.**	700 + 600 + 200 = _____

Add whole hundreds - missing addend (print in landscape)

Solve.

1 a.	1000 + _____ = 2000	**1 b.**	_____ + 400 = 700
2 a.	_____ + 200 = 800	**2 b.**	800 + _____ = 1300
3 a.	500 + _____ = 1300	**3 b.**	100 + _____ = 300
4 a.	900 + _____ = 1900	**4 b.**	_____ + 400 = 1300
5 a.	700 + _____ = 900	**5 b.**	_____ + 700 = 1500
6 a.	_____ + 500 = 700	**6 b.**	100 + _____ = 1000
7 a.	_____ + 200 = 300	**7 b.**	_____ + 900 = 1300
8 a.	_____ + 700 = 700	**8 b.**	_____ + 500 = 900

Completing a whole thousand (whole hundreds are missing) (print in landscape)

Solve.

1 a.	100 + _____ = 2000	**1 b.**	2800 + _____ = 3000
2 a.	_____ + 6100 = 8000	**2 b.**	_____ + 1800 = 3000
3 a.	_____ + 2000 = 5000	**3 b.**	_____ + 800 = 1000
4 a.	_____ + 1600 = 3000	**4 b.**	_____ + 7200 = 9000
5 a.	8200 + _____ = 10000	**5 b.**	_____ + 4800 = 5000
6 a.	1900 + _____ = 9000	**6 b.**	4300 + _____ = 6000
7 a.	_____ + 4600 = 10000	**7 b.**	_____ + 3900 = 8000
8 a.	700 + _____ = 5000	**8 b.**	_____ + 6300 = 7000

Adding two numbers with thousands and whole hundreds (print in landscape)

Solve.

1 a.	5800 + 4100 = _____	**1 b.**	300 + 4000 = _____
2 a.	4300 + 3600 = _____	**2 b.**	4000 + 2500 = _____
3 a.	3300 + 3400 = _____	**3 b.**	4300 + 500 = _____
4 a.	4200 + 5600 = _____	**4 b.**	5400 + 4500 = _____
5 a.	8500 + 1400 = _____	**5 b.**	1500 + 8200 = _____
6 a.	1300 + 1600 = _____	**6 b.**	4200 + 700 = _____
7 a.	4400 + 100 = _____	**7 b.**	1200 + 400 = _____
8 a.	3200 + 3300 = _____	**8 b.**	4400 + 4100 = _____

Adding whole thousands to another number (print in landscape)

Solve.

1 a.	6000 + 1058 = _____	**1 b.**	2000 + 4048 = _____
2 a.	1590 + 5000 = _____	**2 b.**	4805 + 5000 = _____
3 a.	2868 + 5000 = _____	**3 b.**	4000 + 2488 = _____
4 a.	1000 + 4687 = _____	**4 b.**	6616 + 3000 = _____
5 a.	5974 + 1000 = _____	**5 b.**	2000 + 7556 = _____
6 a.	1210 + 3000 = _____	**6 b.**	6000 + 3688 = _____
7 a.	1000 + 554 = _____	**7 b.**	3000 + 3442 = _____
8 a.	4000 + 3582 = _____	**8 b.**	8056 + 0 = _____

Add in columns

Adding two 2-digit numbers

Solve.

1 a.

$$\begin{array}{r} 9\ 1 \\ +\ 8\ 8 \\ \hline \end{array}$$

1 b.

$$\begin{array}{r} 3\ 2 \\ +\ 7\ 3 \\ \hline \end{array}$$

1 c.

$$\begin{array}{r} 9\ 0 \\ +\ 5\ 1 \\ \hline \end{array}$$

2 a.

$$\begin{array}{r} 6\ 6 \\ +\ 7\ 5 \\ \hline \end{array}$$

2 b.

$$\begin{array}{r} 5\ 9 \\ +\ 4\ 9 \\ \hline \end{array}$$

2 c.

$$\begin{array}{r} 6\ 6 \\ +\ 2\ 5 \\ \hline \end{array}$$

3 a.

$$\begin{array}{r} 6\ 1 \\ +\ 8\ 6 \\ \hline \end{array}$$

3 b.

$$\begin{array}{r} 2\ 9 \\ +\ 6\ 2 \\ \hline \end{array}$$

3 c.

$$\begin{array}{r} 8\ 4 \\ +\ 7\ 3 \\ \hline \end{array}$$

4 a.

$$\begin{array}{r} 2\ 3 \\ +\ 1\ 1 \\ \hline \end{array}$$

4 b.

$$\begin{array}{r} 6\ 3 \\ +\ 6\ 3 \\ \hline \end{array}$$

4 c.

$$\begin{array}{r} 3\ 6 \\ +\ 1\ 1 \\ \hline \end{array}$$

5 a.

$$1\ 8$$

5 b.

$$6\ 3$$

5 c.

$$5\ 1$$

+ 2 4	+ 4 5	+ 6 0

Adding two 3-digit numbers

Solve.

1 a.

$$\begin{array}{r} 268 \\ +\ 964 \\ \hline \end{array}$$

1 b.

$$\begin{array}{r} 627 \\ +\ 368 \\ \hline \end{array}$$

1 c.

$$\begin{array}{r} 417 \\ +\ 317 \\ \hline \end{array}$$

2 a.

$$\begin{array}{r} 869 \\ +\ 997 \\ \hline \end{array}$$

2 b.

$$\begin{array}{r} 975 \\ +\ 915 \\ \hline \end{array}$$

2 c.

$$\begin{array}{r} 307 \\ +\ 472 \\ \hline \end{array}$$

3 a.

$$\begin{array}{r} 746 \\ +\ 361 \\ \hline \end{array}$$

3 b.

$$\begin{array}{r} 588 \\ +\ 110 \\ \hline \end{array}$$

3 c.

$$\begin{array}{r} 443 \\ +\ 672 \\ \hline \end{array}$$

4 a.

$$\begin{array}{r} 472 \\ +\ 888 \\ \hline \end{array}$$

4 b.

$$\begin{array}{r} 513 \\ +\ 153 \\ \hline \end{array}$$

4 c.

$$\begin{array}{r} 617 \\ +\ 591 \\ \hline \end{array}$$

5 a.

$$201$$

5 b.

$$129$$

5 c.

$$794$$

+ 5 6 0	+ 3 4 9	+ 5 3 0

Adding three 3-digit numbers

Solve.

1 a.

$$\begin{array}{r} 584 \\ 356 \\ +\ 662 \\ \hline \end{array}$$

1 b.

$$\begin{array}{r} 195 \\ 8 \\ +\ 822 \\ \hline \end{array}$$

1 c.

$$\begin{array}{r} 233 \\ 333 \\ +\ 40 \\ \hline \end{array}$$

2 a.

$$\begin{array}{r} 890 \\ 998 \\ +\ 520 \\ \hline \end{array}$$

2 b.

$$\begin{array}{r} 964 \\ 64 \\ +\ 3 \\ \hline \end{array}$$

2 c.

$$\begin{array}{r} 784 \\ 921 \\ +\ 257 \\ \hline \end{array}$$

3 a.

$$\begin{array}{r} 482 \\ 153 \\ +\ 665 \\ \hline \end{array}$$

3 b.

$$\begin{array}{r} 788 \\ 346 \\ +\ 904 \\ \hline \end{array}$$

3 c.

$$\begin{array}{r} 894 \\ 420 \\ +\ 923 \\ \hline \end{array}$$

4 a.

$$\begin{array}{r} 918 \\ 208 \\ +\ 726 \\ \hline \end{array}$$

4 b.

$$\begin{array}{r} 394 \\ 149 \\ +\ 605 \\ \hline \end{array}$$

4 c.

$$\begin{array}{r} 791 \\ 603 \\ +\ 417 \\ \hline \end{array}$$

Add three 3-digit numbers in columns- write the numbers under each other yourself

Add, writing the numbers carefully under each other.

1 a. 835 + 693 + 620	**1 b.** 293 + 835 + 288
2 a. 223 + 595 + 613	**2 b.** 612 + 445 + 199
3 a. 134 + 555 + 404	**3 b.** 435 + 953 + 656

4 a. 216 + 584 + 258	**4 b.** 5 + 785 + 380

Adding four 3-digit numbers

Solve.

1 a.

$$\begin{array}{r} 544 \\ 183 \\ 269 \\ +\ 598 \\ \hline \end{array}$$

1 b.

$$\begin{array}{r} 441 \\ 908 \\ 889 \\ +\ 423 \\ \hline \end{array}$$

1 c.

$$\begin{array}{r} 925 \\ 446 \\ 774 \\ +\ 819 \\ \hline \end{array}$$

2 a.

$$\begin{array}{r} 449 \\ 10 \\ 806 \\ +\ 102 \\ \hline \end{array}$$

2 b.

$$\begin{array}{r} 471 \\ 160 \\ 56 \\ +\ 967 \\ \hline \end{array}$$

2 c.

$$\begin{array}{r} 519 \\ 328 \\ 744 \\ +\ 123 \\ \hline \end{array}$$

3 a.

$$\begin{array}{r} 685 \\ 435 \\ 24 \\ +\ 987 \\ \hline \end{array}$$

3 b.

$$\begin{array}{r} 157 \\ 994 \\ 961 \\ +\ 536 \\ \hline \end{array}$$

3 c.

$$\begin{array}{r} 813 \\ 398 \\ 553 \\ +\ 587 \\ \hline \end{array}$$

4 a.

$$\begin{array}{r} 614 \\ 743 \\ 544 \\ +\ 809 \\ \hline \end{array}$$

4 b.

$$\begin{array}{r} 588 \\ 997 \\ 894 \\ +\ 810 \\ \hline \end{array}$$

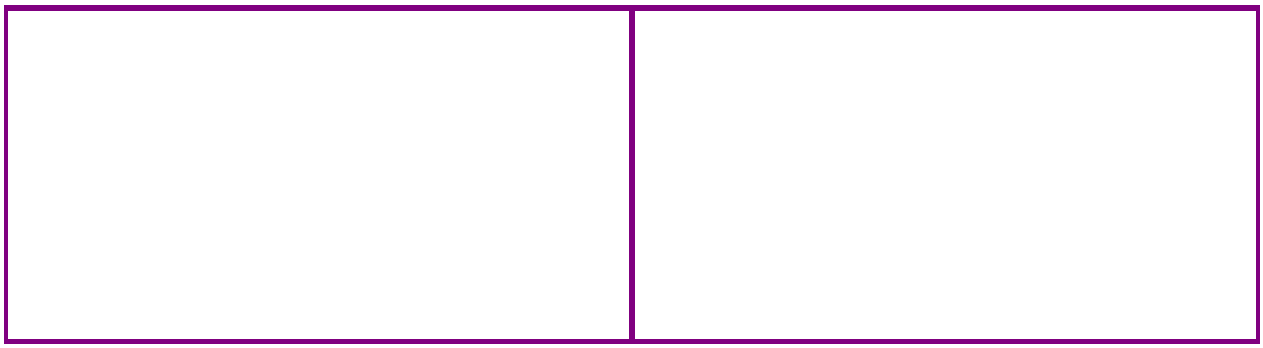
4 c.

$$\begin{array}{r} 672 \\ 890 \\ 303 \\ +\ 747 \\ \hline \end{array}$$

Add four 3-digit numbers in columns- write the numbers under each other yourself

Add, writing the numbers carefully under each other.

1 a. 733 + 412 + 818 + 412	**1 b.** 243 + 702 + 94 + 491
2 a. 701 + 611 + 681 + 27	**2 b.** 597 + 317 + 205 + 800
3 a. 312 + 365 + 533 + 606	**3 b.** 890 + 391 + 719 + 435



Adding two 4-digit numbers

Solve.

1 a.

$$\begin{array}{r} 9\,9\,1\,9 \\ +\ 8\,0\,0\,0 \\ \hline \end{array}$$

1 b.

$$\begin{array}{r} 3\,8\,5\,1 \\ +\ 8\,4\,3\,2 \\ \hline \end{array}$$

1 c.

$$\begin{array}{r} 1\,9\,2\,1 \\ +\ 1\,5\,1\,0 \\ \hline \end{array}$$

2 a.

$$\begin{array}{r} 5\,8\,2\,7 \\ +\ 1\,6\,1\,2 \\ \hline \end{array}$$

2 b.

$$\begin{array}{r} 9\,8\,2\,6 \\ +\ 8\,1\,9\,8 \\ \hline \end{array}$$

2 c.

$$\begin{array}{r} 5\,7\,8\,8 \\ +\ 7\,2\,2\,3 \\ \hline \end{array}$$

3 a.

$$\begin{array}{r} 8\,5\,5\,5 \\ +\ 6\,3\,7\,8 \\ \hline \end{array}$$

3 b.

$$\begin{array}{r} 1\,5\,1\,0 \\ +\ 4\,9\,4\,5 \\ \hline \end{array}$$

3 c.

$$\begin{array}{r} 9\,3\,0\,6 \\ +\ 8\,3\,5\,4 \\ \hline \end{array}$$

4 a.

$$\begin{array}{r} 3\,3\,7\,9 \\ +\ 8\,5\,5\,9 \\ \hline \end{array}$$

4 b.

$$\begin{array}{r} 2\,4\,8\,1 \\ +\ 6\,7\,7\,6 \\ \hline \end{array}$$

4 c.

$$\begin{array}{r} 3\,3\,4\,7 \\ +\ 8\,0\,6\,2 \\ \hline \end{array}$$

5 a. 9 8 4 6

5 b. 5 8 5 3

5 c. 5 3 5 4

+ 7 5 0 4	+ 1 5 1 2	+ 3 4 6 8

Adding three 4-digit numbers

Solve.

1 a.

$$\begin{array}{r} 6\,4\,4\,6 \\ 9\,0\,7\,7 \\ +\ 7\,0\,2\,0 \\ \hline \end{array}$$

1 b.

$$\begin{array}{r} 1\,9\,4\,2 \\ 5\,0\,2\,6 \\ +\ 3\,9\,1\,4 \\ \hline \end{array}$$

1 c.

$$\begin{array}{r} 4\,3\,7\,2 \\ 8\,1\,4\,3 \\ +\ 9\,8\,7\,5 \\ \hline \end{array}$$

2 a.

$$\begin{array}{r} 3\,0\,7\,0 \\ 3\,1\,0\,3 \\ +\ 6\,1\,1\,5 \\ \hline \end{array}$$

2 b.

$$\begin{array}{r} 4\,1\,0\,4 \\ 7\,5\,1\,9 \\ +\ 6\,4\,3\,5 \\ \hline \end{array}$$

2 c.

$$\begin{array}{r} 9\,4\,9\,9 \\ 6\,2\,8\,3 \\ +\ 3\,5\,0\,3 \\ \hline \end{array}$$

3 a.

$$\begin{array}{r} 2\,8\,5\,4 \\ 8\,4\,2\,3 \\ +\ 6\,3\,9\,3 \\ \hline \end{array}$$

3 b.

$$\begin{array}{r} 4\,9\,1\,4 \\ 8\,3\,1\,7 \\ +\ 3\,1\,0\,5 \\ \hline \end{array}$$

3 c.

$$\begin{array}{r} 9\,6\,7\,2 \\ 7\,0\,2\,2 \\ +\ 5\,8\,0\,9 \\ \hline \end{array}$$

4 a.

$$\begin{array}{r} 5\,6\,1\,7 \\ 7\,7\,7\,7 \\ +\ 6\,6\,4\,6 \\ \hline \end{array}$$

4 b.

$$\begin{array}{r} 7\,0\,3\,5 \\ 8\,8\,9\,9 \\ +\ 3\,2\,5\,2 \\ \hline \end{array}$$

4 c.

$$\begin{array}{r} 5\,6\,0\,2 \\ 6\,8\,9\,6 \\ +\ 2\,4\,8\,0 \\ \hline \end{array}$$

Add three 4-digit numbers in columns- write the numbers under each other yourself

Add, writing the numbers carefully under each other.

1 a. 1749 + 1909 + 7715	**1 b.** 9368 + 2358 + 697
2 a. 5040 + 4710 + 1243	**2 b.** 7703 + 7795 + 47
3 a. 2911 + 1572 + 9105	**3 b.** 3767 + 7174 + 2027

Adding four 4-digit numbers

Solve.

1 a.

$$\begin{array}{r} 9424 \\ 9047 \\ 8244 \\ +\ 5561 \\ \hline \end{array}$$

1 b.

$$\begin{array}{r} 4061 \\ 3366 \\ 7424 \\ +\ 1388 \\ \hline \end{array}$$

1 c.

$$\begin{array}{r} 4054 \\ 6672 \\ 4147 \\ +\ 3245 \\ \hline \end{array}$$

2 a.

$$\begin{array}{r} 6825 \\ 3879 \\ 6218 \\ +\ 6542 \\ \hline \end{array}$$

2 b.

$$\begin{array}{r} 2418 \\ 3452 \\ 3131 \\ +\ 5840 \\ \hline \end{array}$$

2 c.

$$\begin{array}{r} 1734 \\ 2976 \\ 1336 \\ +\ 2818 \\ \hline \end{array}$$

3 a.

$$\begin{array}{r} 3235 \\ 7231 \\ 3040 \\ +\ 4637 \\ \hline \end{array}$$

3 b.

$$\begin{array}{r} 7550 \\ 8996 \\ 6169 \\ +\ 7813 \\ \hline \end{array}$$

3 c.

$$\begin{array}{r} 9399 \\ 2873 \\ 128 \\ +\ 7158 \\ \hline \end{array}$$

4 a.

$$\begin{array}{r} 1690 \\ 9490 \\ 6337 \\ +\ 2487 \\ \hline \end{array}$$

4 b.

$$\begin{array}{r} 3409 \\ 8250 \\ 1119 \\ +\ 2315 \\ \hline \end{array}$$

4 c.

$$\begin{array}{r} 3737 \\ 6383 \\ 7599 \\ +\ 4552 \\ \hline \end{array}$$

Mental Subtraction

Subtract a single-digit number from a two-digit number

1 a. 98 – 7 = _____

1 b. 55 – 9 = _____

2 a. 54 – 1 = _____

2 b. 26 – 1 = _____

3 a. 60 – 4 = _____

3 b. 40 – 4 = _____

4 a. 18 – 9 = _____

4 b. 68 – 7 = _____

5 a. 43 – 4 = _____

5 b. 24 – 4 = _____

6 a. 99 – 1 = _____

6 b. 18 – 1 = _____

7 a. 89 – 5 = _____

7 b. 54 – 4 = _____

8 a. 16 – 9 = _____

8 b. 76 – 4 = _____

9 a. 85 – 9 = _____

9 b. 50 – 9 = _____

10 a. 33 – 3 = _____

10 b. 42 – 5 = _____

Subtract a single-digit number from a two-digit number - missing minuend or subtrahend

1 a. _____ – 1 = 85

1 b. 61 – _____ = 52

2 a. _____ – 2 = 48

2 b. 33 – _____ = 28

3 a. _____ – 4 = 7

3 b. _____ – 8 = 36

4 a. _____ – 4 = 95

4 b. 35 – _____ = 31

5 a. 63 – _____ = 61

5 b. _____ – 7 = 39

6 a. _____ – 5 = 90

6 b. _____ – 8 = 31

7 a. 74 – _____ = 65

7 b. 93 – _____ = 90

8 a. _____ – 4 = 21

8 b. _____ – 5 = 9

9 a. 70 – _____ = 61

9 b. _____ – 1 = 53

10 a._____ – 8 = 41

10 b.34 – _____ = 25

Subtract a whole ten from a two-digit number

1 a. 43 – 10 = _____

1 b. 61 – 60 = _____

2 a. 61 – 10 = _____

2 b. 85 – 50 = _____

3 a. 52 – 10 = _____

3 b. 83 – 80 = _____

4 a. 94 – 60 = _____

4 b. 87 – 10 = _____

5 a. 64 – 60 = _____

5 b. 94 – 20 = _____

6 a. 64 – 50 = _____

6 b. 42 – 30 = _____

7 a. 88 – 80 = _____

7 b. 99 – 20 = _____

8 a. 95 – 20 = _____

8 b. 97 – 10 = _____

9 a. 54 – 20 = _____

9 b. 57 – 40 = _____

10 a. 84 – 50 = _____

10 b. 99 – 30 = _____

Subtract a whole ten from a two-digit number - missing minuend or subtrahend

1 a. 79 – _____ = 59

1 b. _____ – 30 = 60

2 a. _____ – 10 = 65

2 b. _____ – 70 = 5

3 a. _____ – 50 = 22

3 b. _____ – 20 = 59

4 a. _____ – 30 = 30

4 b. 43 – _____ = 23

5 a. 92 – _____ = 52

5 b. 98 – _____ = 48

6 a. 87 – _____ = 67

6 b. 71 – _____ = 31

7 a. 85 – _____ = 25

7 b. _____ – 10 = 15

8 a. 78 – _____ = 38

8 b. 76 – _____ = 56

9 a. _____ – 90 = 6

9 b. 90 – _____ = 80

10 a. 92 – _____ = 22

10 b. _____ – 40 = 60

Subtract a whole ten from a three-digit number

1 a. 523 – 70 = _____

1 b. 349 – 60 = _____

2 a. 510 – 10 = _____

2 b. 758 – 50 = _____

3 a. 536 – 80 = _____

3 b. 235 – 30 = _____

4 a. 230 – 60 = _____

4 b. 103 – 30 = _____

5 a. 862 – 80 = _____

5 b. 969 – 40 = _____

6 a. 274 – 20 = _____

6 b. 221 – 50 = _____

7 a. 679 – 90 = _____

7 b. 390 – 30 = _____

8 a. 355 – 60 = _____

8 b. 888 – 30 = _____

9 a. 153 – 80 = _____

9 b. 110 – 50 = _____

10 a. 743 – 80 = _____

10 b. 944 – 90 = _____

Subtract a whole ten from a three-digit number - missing minuend or subtrahend

1 a. _____ – 20 = 557

1 b. 494 – _____ = 444

2 a. 127 – _____ = 87

2 b. _____ – 80 = 790

3 a. _____ – 80 = 396

3 b. 728 – _____ = 688

4 a. 561 – _____ = 481

4 b. _____ – 70 = 718

5 a. _____ – 30 = 340

5 b. 145 – _____ = 125

6 a. _____ – 80 = 782

6 b. 698 – _____ = 638

7 a. 972 – _____ = 912

7 b. _____ – 30 = 140

8 a. _____ – 80 = 893

8 b. _____ – 50 = 867

9 a. _____ – 70 = 278

9 b. 142 – _____ = 122

10 a._____ – 70 = 702

10 b.580 – _____ = 500

Subtract a whole hundred from a three-digit number

1 a. 774 – 500 = _____

1 b. 689 – 500 = _____

2 a. 787 – 600 = _____

2 b. 940 – 200 = _____

3 a. 709 – 400 = _____

3 b. 557 – 500 = _____

4 a. 667 – 400 = _____

4 b. 323 – 200 = _____

5 a. 704 – 600 = _____

5 b. 997 – 100 = _____

6 a. 537 – 500 = _____

6 b. 676 – 300 = _____

7 a. 819 – 500 = _____

7 b. 639 – 200 = _____

8 a. 613 – 500 = _____

8 b. 958 – 100 = _____

9 a. 550 – 500 = _____

9 b. 747 – 300 = _____

10 a. 176 – 100 = _____

10 b. 852 – 300 = _____

Subtract whole tens or whole hundreds from a 3-digit number - missing minuend or subtrahend

1 a. _____ – 10 = 281

1 b. 844 – _____ = 544

2 a. _____ – 10 = 728

2 b. 965 – _____ = 955

3 a. _____ – 60 = 196

3 b. 706 – _____ = 306

4 a. _____ – 800 = 194

4 b. _____ – 80 = 576

5 a. 570 – _____ = 470

5 b. _____ – 50 = 240

6 a. _____ – 40 = 507

6 b. 749 – _____ = 679

7 a. _____ – 80 = 283

7 b. 141 – _____ = 111

8 a. _____ – 70 = 395

8 b. 762 – _____ = 462

9 a. _____ – 60 = 102

9 b. 449 – _____ = 369

10 a. 822 – _____ = 742

10 b. _____ – 50 = 790

Subtract a 2-digit number from whole hundreds

1 a. 600 – 39 = _____

1 b. 800 – 17 = _____

2 a. 500 – 76 = _____

2 b. 800 – 48 = _____

3 a. 800 – 75 = _____

3 b. 500 – 71 = _____

4 a. 100 – 78 = _____

4 b. 700 – 39 = _____

5 a. 700 – 14 = _____

5 b. 500 – 59 = _____

6 a. 1000 – 91 = _____

6 b. 400 – 89 = _____

7 a. 700 – 50 = _____

7 b. 400 – 90 = _____

8 a. 800 – 16 = _____

8 b. 100 – 31 = _____

9 a. 600 – 58 = _____

9 b. 800 – 66 = _____

10 a. 400 – 77 = _____

10 b. 1000 – 60 = _____

Subtract whole hundreds

1 a. 6800 – 600 = _____

1 b. 2600 – 400 = _____

2 a. 8100 – 700 = _____

2 b. 6700 – 800 = _____

3 a. 9300 – 600 = _____

3 b. 3000 – 600 = _____

4 a. 9900 – 100 = _____

4 b. 9100 – 300 = _____

5 a. 7300 – 400 = _____

5 b. 7100 – 400 = _____

6 a. 5700 – 400 = _____

6 b. 5700 – 300 = _____

7 a. 1900 – 100 = _____

7 b. 900 – 100 = _____

8 a. 3800 – 600 = _____

8 b. 5700 – 800 = _____

9 a. 9000 – 200 = _____

9 b. 6300 – 300 = _____

10 a. 1800 – 900 = _____

10 b. 6900 – 100 = _____

Subtract whole hundreds from 4-digit numbers

1 a. 4377 – 800 = _____

1 b. 2640 – 500 = _____

2 a. 4095 – 200 = _____

2 b. 6819 – 400 = _____

3 a. 5657 – 900 = _____

3 b. 8250 – 800 = _____

4 a. 2937 – 700 = _____

4 b. 2256 – 200 = _____

5 a. 9240 – 800 = _____

5 b. 2589 – 800 = _____

6 a. 3179 – 100 = _____

6 b. 8928 – 500 = _____

7 a. 2797 – 800 = _____

7 b. 1391 – 1000 = _____

8 a. 3298 – 1000 = _____

8 b. 4825 – 100 = _____

9 a. 5552 – 700 = _____

9 b. 2487 – 1000 = _____

10 a. 8646 – 400 = _____

10 b. 9705 – 200 = _____

Subtract 4-digit numbers with whole hundreds

1 a. 2600 – 1200 = _____

2 a. 2800 – 700 = _____

3 a. 5100 – 2900 = _____

4 a. 7400 – 500 = _____

5 a. 5900 – 5700 = _____

6 a. 7200 – 6700 = _____

7 a. 7600 – 6400 = _____

8 a. 4800 – 3200 = _____

9 a. 6800 – 6400 = _____

10 a. 5800 – 5800 = _____

Missing minuend / subtrahend problems, whole hundreds, within 10,0000

1 a. _____ – 4200 = 1100

2 a. _____ – 2200 = 2200

3 a. 3600 – _____ = 2900

4 a. _____ – 5300 = 500

5 a. _____ – 1900 = 700

6 a. 6800 – _____ = 300

7 a. 8900 – _____ = 1600

8 a. 4300 – _____ = 1500

9 a. 6800 – _____ = 500

10 a. 2600 – _____ = 1900

Subtract in columns

Subtract 3-digit numbers

1 a.

$$\begin{array}{r} 603 \\ -\ 484 \\ \hline \end{array}$$

1 b.

$$\begin{array}{r} 227 \\ -\ 114 \\ \hline \end{array}$$

1 c.

$$\begin{array}{r} 836 \\ -\ 461 \\ \hline \end{array}$$

2 a.

$$\begin{array}{r} 743 \\ -\ 324 \\ \hline \end{array}$$

2 b.

$$\begin{array}{r} 771 \\ -\ 321 \\ \hline \end{array}$$

2 c.

$$\begin{array}{r} 196 \\ -\ 137 \\ \hline \end{array}$$

3 a.

$$\begin{array}{r} 930 \\ -\ 515 \\ \hline \end{array}$$

3 b.

$$\begin{array}{r} 777 \\ -\ 693 \\ \hline \end{array}$$

3 c.

$$\begin{array}{r} 605 \\ -\ 228 \\ \hline \end{array}$$

4 a.

$$\begin{array}{r} 642 \\ -\ 176 \\ \hline \end{array}$$

4 b.

$$\begin{array}{r} 838 \\ -\ 130 \\ \hline \end{array}$$

4 c.

$$\begin{array}{r} 526 \\ -\ 106 \\ \hline \end{array}$$

5 a.

$$\begin{array}{r} 531 \\ -\ 451 \\ \hline \end{array}$$

5 b.

$$\begin{array}{r} 273 \\ -\ 186 \\ \hline \end{array}$$

5 c.

$$\begin{array}{r} 456 \\ -\ 436 \\ \hline \end{array}$$

Subtract 3-digit numbers - write the numbers under each other yourself

1 751 – 365 = _____ **a.**	**1** 989 – 194 = _____ **b.**
2 980 – 707 = _____ **a.**	**2** 526 – 507 = _____ **b.**
3 929 – 245 = _____ **a.**	**3** 860 – 110 = _____ **b.**
4 773 – 441 = _____ **a.**	**4** 707 – 336 = _____ **b.**

Subtract 4-digit numbers

1 a.

	9	7	4	9
–	5	2	8	7

1 b.

	9	5	2	6
–	2	1	9	4

1 c.

	8	6	5	4
–	4	2	7	8

2 a.

	3	9	6	6
–	1	1	2	1

2 b.

	7	9	5	6
–	4	5	7	3

2 c.

	1	4	2	4
–		8	9	1

3 a.

	7	4	8	0
–	4	4	1	3

3 b.

	8	3	0	0
–		6	8	8

3 c.

	7	1	8	5
–	2	9	1	4

4 a.

	8	9	2	7
–	4	5	6	4

4 b.

	6	4	6	8
–	4	6	0	2

4 c.

	9	6	2	4
–	9	3	2	9

5 a.

	7	6	8	1
–	1	4	8	2

5 b.

	9	9	6	2
–	3	8	6	0

5 c.

	6	7	9	1
–	6	1	3	1

Subtract 4-digit numbers - write the numbers under each other yourself

1 5453 – 5106 = _____ **a.**	**1** 2772 – 1565 = _____ **b.**
2 4203 – 1464 = _____ **a.**	**2** 5667 – 4178 = _____ **b.**
3 3822 – 3653 = _____ **a.**	**3** 7010 – 3050 = _____ **b.**
4 9758 – 3492 = _____ **a.**	**4** 2742 – 2108 = _____ **b.**

Subtract 4-digit numbers; regrouping in all problems

1 a.

$$\begin{array}{r} 4542 \\ -\ 1116 \\ \hline \end{array}$$

1 b.

$$\begin{array}{r} 4621 \\ -\ 3978 \\ \hline \end{array}$$

1 c.

$$\begin{array}{r} 7324 \\ -\ 3894 \\ \hline \end{array}$$

2 a.

$$\begin{array}{r} 6476 \\ -\ 1665 \\ \hline \end{array}$$

2 b.

$$\begin{array}{r} 7733 \\ -\ 2584 \\ \hline \end{array}$$

2 c.

$$\begin{array}{r} 5445 \\ -\ 4252 \\ \hline \end{array}$$

3 a.

$$\begin{array}{r} 6835 \\ -\ 1817 \\ \hline \end{array}$$

3 b.

$$\begin{array}{r} 2333 \\ -\ \ 989 \\ \hline \end{array}$$

3 c.

$$\begin{array}{r} 6848 \\ -\ 1556 \\ \hline \end{array}$$

4 a.

$$\begin{array}{r} 4986 \\ -\ 2778 \\ \hline \end{array}$$

4 b.

$$\begin{array}{r} 8295 \\ -\ 4364 \\ \hline \end{array}$$

4 c.

$$\begin{array}{r} 1317 \\ -\ 1287 \\ \hline \end{array}$$

5 a.

$$\begin{array}{r} 1299 \\ -\ \ 374 \\ \hline \end{array}$$

5 b.

$$\begin{array}{r} 5829 \\ -\ 5638 \\ \hline \end{array}$$

5 c.

$$\begin{array}{r} 8047 \\ -\ 4134 \\ \hline \end{array}$$

Regroup with two zeros, within 1,000

1 a.

$$\begin{array}{r} 4\,0\,0 \\ -\;2\,5\,5 \\ \hline \end{array}$$

1 b.

$$\begin{array}{r} 8\,0\,0 \\ -\;2\,8\,5 \\ \hline \end{array}$$

1 c.

$$\begin{array}{r} 8\,0\,0 \\ -\;\;4\,1 \\ \hline \end{array}$$

2 a.

$$\begin{array}{r} 9\,0\,0 \\ -\;1\,9\,0 \\ \hline \end{array}$$

2 b.

$$\begin{array}{r} 9\,0\,0 \\ -\;4\,8\,2 \\ \hline \end{array}$$

2 c.

$$\begin{array}{r} 1\,0\,0 \\ -\;\;8\,5 \\ \hline \end{array}$$

3 a.

$$\begin{array}{r} 4\,0\,0 \\ -\;3\,9\,7 \\ \hline \end{array}$$

3 b.

$$\begin{array}{r} 2\,0\,0 \\ -\;\;8\,3 \\ \hline \end{array}$$

3 c.

$$\begin{array}{r} 2\,0\,0 \\ -\;1\,7\,1 \\ \hline \end{array}$$

4 a.

$$\begin{array}{r} 5\,0\,0 \\ -\;3\,5\,4 \\ \hline \end{array}$$

4 b.

$$\begin{array}{r} 5\,0\,0 \\ -\;4\,3\,6 \\ \hline \end{array}$$

4 c.

$$\begin{array}{r} 8\,0\,0 \\ -\;6\,1\,4 \\ \hline \end{array}$$

5 a.

$$\begin{array}{r} 4\,0\,0 \\ -\;\;3\,7 \\ \hline \end{array}$$

5 b.

$$\begin{array}{r} 3\,0\,0 \\ -\;1\,6\,1 \\ \hline \end{array}$$

5 c.

$$\begin{array}{r} 4\,0\,0 \\ -\;2\,2\,7 \\ \hline \end{array}$$

Regroup with two zeros, within 10,000

1 a.

$$\begin{array}{r} 3\,4\,0\,0 \\ -\;1\,3\,9\,1 \\ \hline \end{array}$$

1 b.

$$\begin{array}{r} 6\,4\,0\,0 \\ -\;4\,9\,9\,8 \\ \hline \end{array}$$

1 c.

$$\begin{array}{r} 5\,8\,0\,0 \\ -\;2\,8\,0\,6 \\ \hline \end{array}$$

2 a.

$$\begin{array}{r} 1\,9\,0\,0 \\ -\;1\,2\,9\,5 \\ \hline \end{array}$$

2 b.

$$\begin{array}{r} 9\,1\,0\,0 \\ -\;2\,1\,8\,9 \\ \hline \end{array}$$

2 c.

$$\begin{array}{r} 5\,8\,0\,0 \\ -\;4\,2\,9\,3 \\ \hline \end{array}$$

3 a.

$$\begin{array}{r} 1\,3\,0\,0 \\ -\;1\,0\,3\,8 \\ \hline \end{array}$$

3 b.

$$\begin{array}{r} 1\,3\,0\,0 \\ -\;1\,0\,6\,8 \\ \hline \end{array}$$

3 c.

$$\begin{array}{r} 8\,2\,0\,0 \\ -\;5\,9\,8\,2 \\ \hline \end{array}$$

4 a.

$$\begin{array}{r} 8\,8\,0\,0 \\ -\;8\,6\,0\,8 \\ \hline \end{array}$$

4 b.

$$\begin{array}{r} 9\,3\,0\,0 \\ -\;4\,4\,2\,8 \\ \hline \end{array}$$

4 c.

$$\begin{array}{r} 4\,9\,0\,0 \\ -\;1\,8\,8\,5 \\ \hline \end{array}$$

5 a.

$$\begin{array}{r} 1\,6\,0\,0 \\ -\;1\,5\,8\,0 \\ \hline \end{array}$$

5 b.

$$\begin{array}{r} 4\,4\,0\,0 \\ -\;3\,2\,7\,2 \\ \hline \end{array}$$

5 c.

$$\begin{array}{r} 4\,2\,0\,0 \\ -\;3\,4\,3\,6 \\ \hline \end{array}$$

Regroup with three zeros

1 a.

$$\begin{array}{r} 4\,0\,0\,0 \\ -\;3\,0\,0\,1 \\ \hline \end{array}$$

1 b.

$$\begin{array}{r} 4\,0\,0\,0 \\ -\;2\,3\,3\,8 \\ \hline \end{array}$$

1 c.

$$\begin{array}{r} 2\,0\,0\,0 \\ -\;1\,7\,6\,9 \\ \hline \end{array}$$

2 a.

$$\begin{array}{r} 5\,0\,0\,0 \\ -\;1\,9\,1\,1 \\ \hline \end{array}$$

2 b.

$$\begin{array}{r} 9\,0\,0\,0 \\ -\;1\,8\,3\,2 \\ \hline \end{array}$$

2 c.

$$\begin{array}{r} 8\,0\,0\,0 \\ -\;2\,8\,8\,1 \\ \hline \end{array}$$

3 a.

$$\begin{array}{r} 2\,0\,0\,0 \\ -\;1\,6\,5\,3 \\ \hline \end{array}$$

3 b.

$$\begin{array}{r} 2\,0\,0\,0 \\ -\;1\,4\,4\,8 \\ \hline \end{array}$$

3 c.

$$\begin{array}{r} 4\,0\,0\,0 \\ -\;3\,8\,6\,8 \\ \hline \end{array}$$

4 a.

$$\begin{array}{r} 9\,0\,0\,0 \\ -\;5\,3\,3\,1 \\ \hline \end{array}$$

4 b.

$$\begin{array}{r} 5\,0\,0\,0 \\ -\;2\,1\,0\,3 \\ \hline \end{array}$$

4 c.

$$\begin{array}{r} 7\,0\,0\,0 \\ -\;2\,2\,1\,3 \\ \hline \end{array}$$

5 a.

$$\begin{array}{r} 2\,0\,0\,0 \\ -\;1\,7\,3\,6 \\ \hline \end{array}$$

5 b.

$$\begin{array}{r} 4\,0\,0\,0 \\ -\;3\,8\,0\,4 \\ \hline \end{array}$$

5 c.

$$\begin{array}{r} 9\,0\,0\,0 \\ -\;2\,4\,4\,3 \\ \hline \end{array}$$

Missing minuend / subtrahend problems within 1,000

Solve.

1 _____ – 579 = 221 **a.**	**1** _____ – 165 = 438 **b.**
2 _____ – 150 = 191 **a.**	**2** 648 – _____ = 167 **b.**
3 981 – _____ = 853 **a.**	**3** _____ – 578 = 360 **b.**
4 _____ – 99 = 397 **a.**	**4** 494 – _____ = 377 **b.**

Order of operations

Order of operations: add/subtract/parenthesis, with three numbers

1 a. 17 – 11 + 8

1 b. 11 – (2 – 2)

2 a. (20 – 11) + 3

2 b. 12 + (1 + 18)

3 a. 15 + (18 – 18)

3 b. 17 + (10 + 10)

4 a. (3 + 6) + 1

4 b. (19 – 2) + 19

5 a. 18 – (2 + 7)

5 b. (14 – 11) + 19

6 a. (14 – 8) + 10

6 b. 18 + 16 – 3

7 a. 14 + (13 + 12)

7 b. 15 + (3 + 14)

Order of operations: add/subtract/parenthesis, with four numbers

1 a. 14 + 23 – (4 + 10)

1 b. (16 + 38 + 27) + 31

2 a. 17 + 4 + (18 – 9)

2 b. 24 + 21 + (29 – 11)

3 a. 19 + (30 – 20) – 15

3 b. 14 + (36 + 6 + 32)

4 a. 23 + 29 – (31 – 15)

4 b. 10 + 18 – (6 – 1)

5 a. 7 + (36 + 22 + 35)

5 b. 38 + (12 + 12 + 39)

6 a. 24 + 10 + (24 + 12)

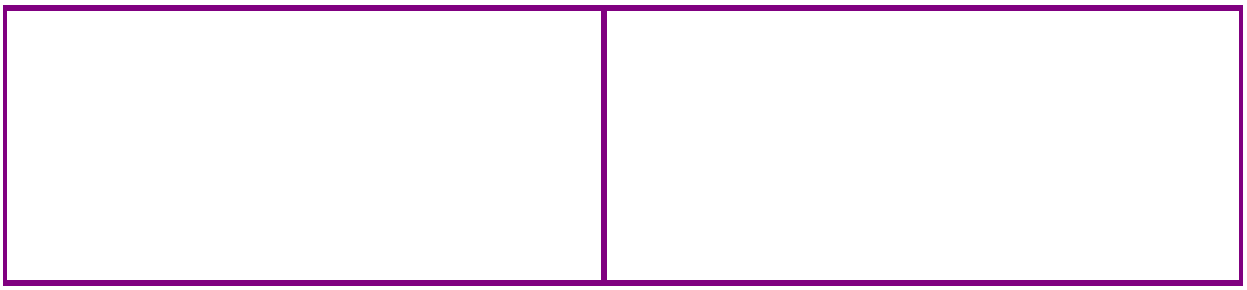
6 b. (32 + 19) – 38 + 34

7 a. $(14 - 1) + 9 + 1$

7 b. $13 + (37 + 10) - 30$

Order of operations: add/subtract/parenthesis, with three 3-digit numbers, write numbers under each other

1 a. 234 + 515 – 625	**1 b.** (462 – 427) + 864
2 a. 408 – 36 + 117	**2 b.** 742 + 339 – 793
3 a. 909 + 591 – 774	**3 b.** 771 + (635 + 669)



Order of operations: add/subtract/multiply, four numbers

1 a. $1 \times 3 \times 2 + 1$

1 b. $5 \times 5 \times 4 - 9$

2 a. $1 \times 4 - 1 - 1$

2 b. $2 + 6 + 8 + 9$

3 a. $2 \times 6 - 4 - 3$

3 b. $8 - 7 + 7 - 3$

4 a. $3 + 7 - 5 \times 1$

4 b. $2 \times 2 + 8 + 4$

5 a. $3 \times 4 - 8 + 2$

5 b. $6 \times 4 + 1 \times 6$

6 a. $6 + 1 \times 3 + 5$

6 b. $3 \times 5 \times 5 \times 5$

7 a. 2 + 6 – 1 – 6

7 b. 7 + 2 + 6 – 2

Order of operations: add/subtract/multiply/parenthesis, four numbers

1 a. $(6 \times 3) + 5 + 3$

1 b. $6 \times (5 + 2 + 2)$

2 a. $10 + (9 + 9 \times 1)$

2 b. $1 + (8 \times 6 - 6)$

3 a. $3 + 6 + 1 \times 3$

3 b. $7 + 8 - 2 - 6$

4 a. $3 \times (5 + 1 - 1)$

4 b. $(5 \times 1 + 9) + 9$

5 a. $5 \times (2 + 2 - 3)$

5 b. $4 + 10 - 7 - 6$

6 a. $6 \times 5 + (5 \times 6)$

6 b. $5 + 5 + (5 + 10)$

7 a. $10 + 10 \times 1 + 9$

7 b. $(5 \times 6 - 2) + 6$

Place Value

Build a three-digit number from the parts (print in landscape)

Solve.

1 a.	3 + 40 + 100 = _____	**1 b.**	0 + 0 + 100 = _____
2 a.	5 + 80 + 700 = _____	**2 b.**	2 + 50 + 700 = _____
3 a.	3 + 90 + 200 = _____	**3 b.**	100 + 80 + 2 = _____
4 a.	5 + 400 + 30 = _____	**4 b.**	100 + 30 + 3 = _____
5 a.	3 + 90 + 400 = _____	**5 b.**	0 + 20 + 100 = _____
6 a.	5 + 90 + 600 = _____	**6 b.**	300 + 30 + 9 = _____
7 a.	0 + 70 + 100 = _____	**7 b.**	4 + 700 + 80 = _____
8 a.	10 + 6 + 200 = _____	**8 b.**	60 + 5 + 100 = _____

Find the missing part from a 3-digit number (print in landscape)

Solve.

1 a.	_____ + 600 + 90 = 699	**1 b.**	1 + _____ + 600 = 601
2 a.	_____ + 40 + 500 = 548	**2 b.**	_____ + 400 + 90 = 491
3 a.	0 + _____ + 500 = 504	**3 b.**	_____ + 20 + 100 = 125
4 a.	100 + _____ + 4 = 174	**4 b.**	5 + _____ + 900 = 935
5 a.	20 + _____ + 600 = 626	**5 b.**	_____ + 0 + 2 = 502
6 a.	_____ + 500 + 80 = 580	**6 b.**	9 + 40 + _____ = 649
7 a.	_____ + 30 + 900 = 933	**7 b.**	90 + _____ + 400 = 493
8 a.	5 + _____ + 10 = 915	**8 b.**	_____ + 800 + 70 = 876

Build a four-digit number from the parts (print in landscape)

Solve.

1 a. 5 + 4000 + 800 + 10 = _____ **1 b.** 7 + 40 + 500 + 8000 = _____

2 a. 9 + 800 + 3000 + 0 = _____ **2 b.** 4 + 20 + 500 + 2000 = _____

3 a. 4 + 500 + 8000 + 90 = _____ **3 b.** 80 + 7 + 300 + 6000 = _____

4 a. 6 + 900 + 5000 + 30 = _____ **4 b.** 200 + 90 + 7000 + 6 = _____

5 a. 2 + 3000 + 400 + 30 = _____ **5 b.** 3 + 3000 + 600 + 90 = _____

6 a. 2 + 300 + 3000 + 0 = _____ **6 b.** 6 + 30 + 100 + 1000 = _____

7 a. 1000 + 0 + 10 + 5 = _____ **7 b.** 900 + 90 + 9000 + 3 = _____

8 a. 1000 + 700 + 10 + 3 = _____ **8 b.** 8 + 6000 + 0 + 40 = _____

Find the missing part from a 4-digit number (print in landscape)

Solve.

1 a. _____ + 500 + 2000 + 90 = 2593

2 a. 100 + _____ + 1000 + 6 = 1156

3 a. 3000 + 700 + _____ + 2 = 3732

4 a 8 + 8000 + _____ + 70 = 8778

5 a. _____ + 40 + 200 + 1000 = 1246

6 a _____ + 70 + 800 + 6000 = 6870

7 a 60 + 7 + _____ + 7000 = 7867

8 a 700 + _____ + 7000 + 7 = 7737

1 b. 400 + 30 + 6000 + _____ = 6432

2 b 8 + _____ + 700 + 7000 = 7718

3 b. _____ + 6 + 0 + 4000 = 4016

4 b 5 + 10 + _____ + 7000 = 7315

5 b. 900 + 0 + _____ + 3 = 5903

6 b. 8 + 700 + _____ + 40 = 6748

7 b _____ + 1 + 900 + 4000 = 4961

8 b 800 + 50 + 7000 + _____ = 7850

Skip-count by 100 starting from 1200

Starting at 1,200, skip-count by 100, and fill in the missing numbers.

1,900	2,000		
		2,700	
	5,000		

Skip-count by 200 starting from 600

Starting at 600, skip-count by 200, and fill in the missing numbers.

200	3,400		3,8
	4,600		
	5,800		
		7,200	
000			

Skip-count by 200 starting from 2,500

Starting at 2,500, skip-count by 200, and fill in the missing numbers.

		5,500	
	8,900	9,100	

Skip-count by 300 starting from 300

Starting at 300, skip-count by 300, and fill in the missing numbers.

			1,5
	2,700		3,3
	4,500		
		6,600	
600		10,200	
		12,000	

Skip-count by 400 starting from 400

Starting at 400, skip-count by 400, and fill in the missing numbers.

800		
		3,600
	9,200	

Skip-count by 400 starting from 1,700

Starting at 1,700, skip-count by 400, and fill in the missing numbers.

Skip-count by 500 starting from 500

Starting at 500, skip-count by 500, and fill in the missing numbers.

	7,500

Skip-count by 150 starting from 0

Starting at 0, skip-count by 150, and fill in the missing numbers.

300			
	2,850	3,000	
5,100	5,250		
		6,600	
		7,800	

Skip-count by 250 starting from 0

Starting at 0, skip-count by 250, and fill in the missing numbers.

		750		
			5,000	
				9,250
		10,750		
	12,500			

Round to the nearest ten, within 0-1,000

Round the following numbers to the nearest ten.

1 a.	5 4 8	**1 b.**	6 9 4	**1 c.**	6 1 8
2 a.	1 2 3	**2 b.**	1 4 2	**2 c.**	1 0 6
3 a.	5 8 7	**3 b.**	6 6	**3 c.**	3 1 7
4 a.	9 5 3	**4 b.**	6 7	**4 c.**	7 2
5 a.	5 7 3	**5 b.**	6 9 9	**5 c.**	8 5
6 a.	3 8 9	**6 b.**	4 1 2	**6 c.**	1 6 2
7 a.	5 6 5	**7 b.**	5 1 7	**7 c.**	4 9 0
8 a.	5 7 9	**8 b.**	5 4 6	**8 c.**	5 2

Round to the nearest hundred, within 0-1000

Round the following numbers to the nearest hundred.

1 a.	6 5 7	**1 b.**	7 1 2	**1 c.**	4 5 5
2 a.	9 6 6	**2 b.**	7 4 1	**2 c.**	6 4 3
3 a.	8 9 4	**3 b.**	8 7 9	**3 c.**	4 1
4 a.	3 0 3	**4 b.**	2 4 7	**4 c.**	2 5 5
5 a.	8 8 4	**5 b.**	3 0	**5 c.**	4 7 8
6 a.	1 1 7	**6 b.**	7 0 1	**6 c.**	9 6
7 a.	2 2 6	**7 b.**	1 2 4	**7 c.**	6 3 4

Round to the nearest hundred, within 0-10,000

Round the following numbers to the nearest hundred.

1 a.	4 3 5 8	**1 b.**	9 6 1 9	**1 c.**	9 5 7 6

2 a.	3 1 4 7	**2 b.**	8 1 5 4	**2 c.**	1 1 2 6
3 a.	8 6 9 8	**3 b.**	3 1 3 6	**3 c.**	6 5 0 1
4 a.	1 4 6 2	**4 b.**	2 9 8 1	**4 c.**	9 9 8 3
5 a.	5 4 5 0	**5 b.**	7 6 3 8	**5 c.**	3 4 6 7
6 a.	9 8 5 8	**6 b.**	6 6 4	**6 c.**	4 6 1 4
7 a.	4 1 6 6	**7 b.**	7 5 1 1	**7 c.**	5 6 1 6

Roman Numerals

Write numbers with Roman Numerals

Write the numbers as Roman numerals.

1 a. 1

1 b. 5

2 a. 15

2 b. 12

3 a. 17

3 b. 13

4 a. 49

4 b. 41

5 a. 18

5 b. 41

6 a. 20

6 b. 41

7 a. 40

7 b. 11

8 a.	11	**8 b.**	41
9 a.	49	**9 b.**	5
10 a.	13	**10 b.**	16

Write Roman Numerals with normal numbers

Write the Roman numerals as normal numbers.

1 a.	I	**1 b.**	XXXVI
2 a.	XXIX	**2 b.**	V
3 a.	XLIV	**3 b.**	XXV

4 a.	XXXII	**4 b.**	I
5 a.	XXXIX	**5 b.**	V
6 a.	XLIX	**6 b.**	X
7 a.	XXXIV	**7 b.**	XXVIII
8 a.	II	**8 b.**	XXII
9 a.	XIX	**9 b.**	XXXIV

10 a. III **10 b.** XLVI

Addition and subtraction problems with Roman Numerals

Do the calculations with Roman numerals. Give your answer as a Roman numeral.

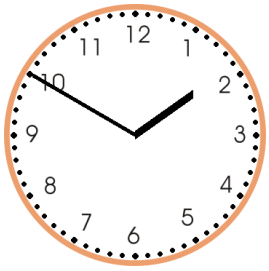
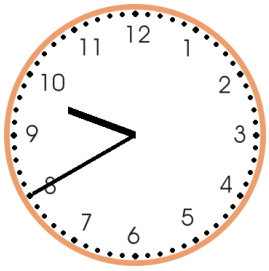
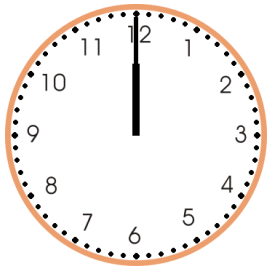
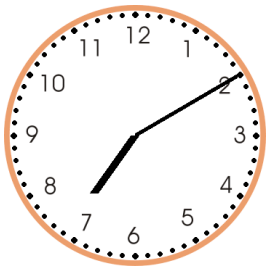
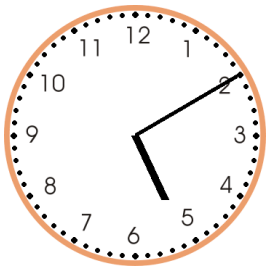
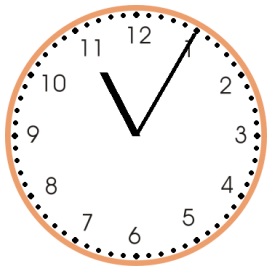
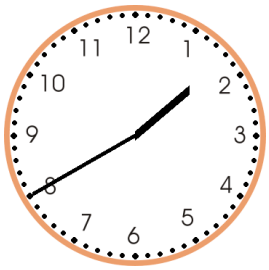
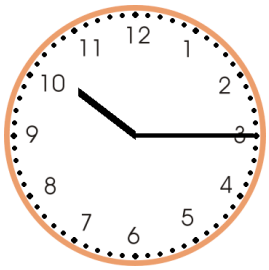
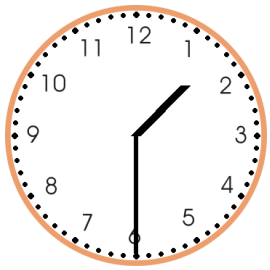
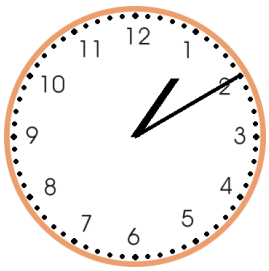
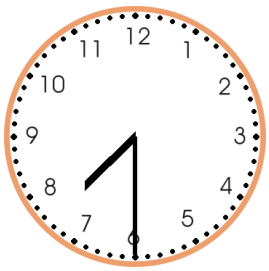
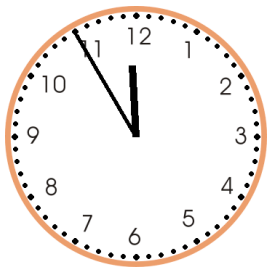
1 a. XXXV − VII =	**1 b.** XXII − XIV =
2 a. XXXVI − XIV =	**2 b.** XXXIII − XXII + XV =
3 a. XXXVIII − XXX =	**3 b.** XLVII − XL =
4 a. III + IV + XX =	**4 b.** XXXI − XVII =
5 a. XXI + XXIII =	**5 b.** XXVIII + X =

6 a. VIII + XI + III =	**6 b.** XXIII + XI + XII =

Clock

Tell time from an analog clock (to the five minute)

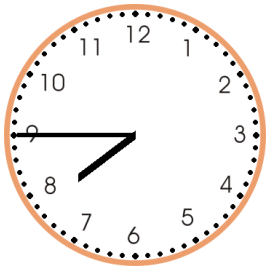
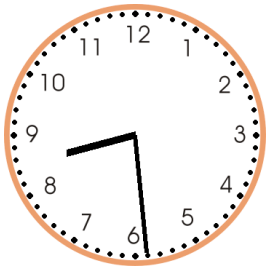
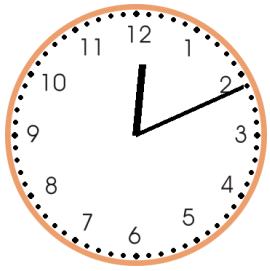
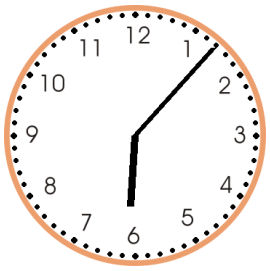
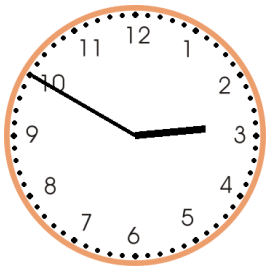
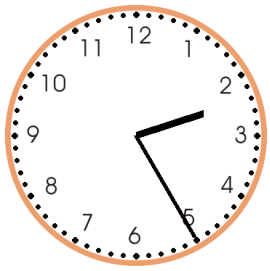
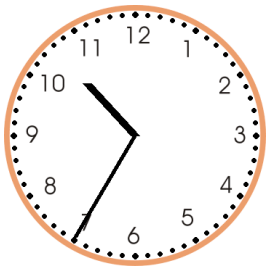
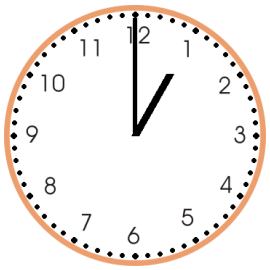
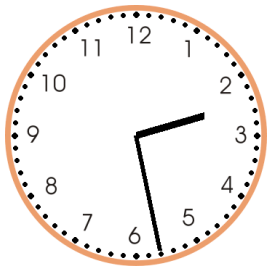
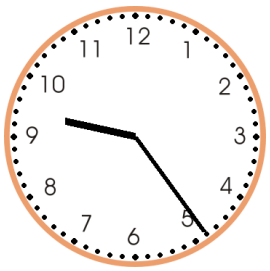
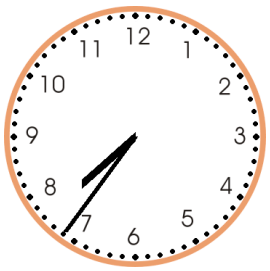
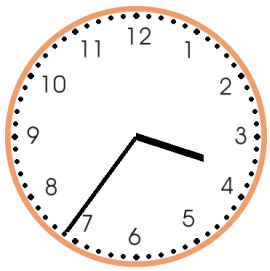
Write the time.

1 a.  _____ : _____	**1 b.**  _____ : _____	**1 c.**  _____ : _____
2 a.  _____ : _____	**2 b.**  _____ : _____	**2 c.**  _____ : _____
3 a.  _____ : _____	**3 b.**  _____ : _____	**3 c.**  _____ : _____
4 a. 	**4 b.** 	**4 c.** 

_____ : _____	_____ : _____	_____ : _____

Tell time from an analog clock (to the minute)

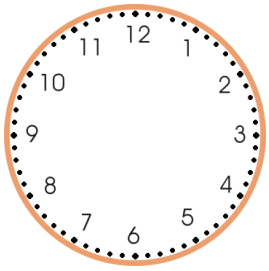
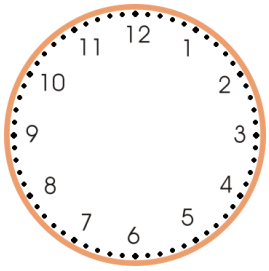
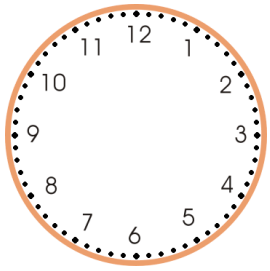
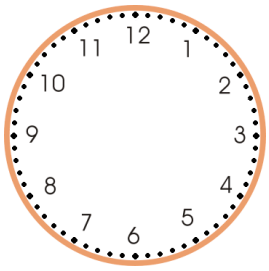
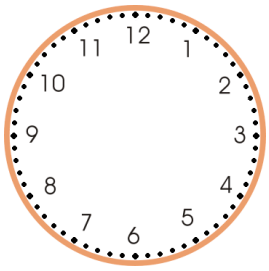
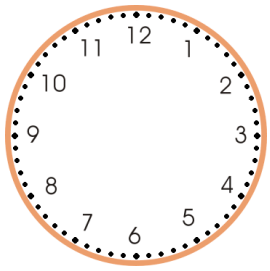
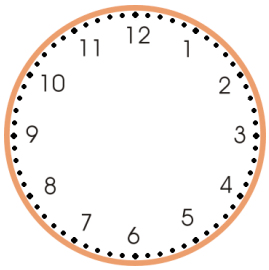
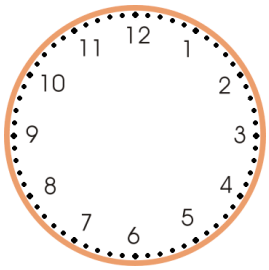
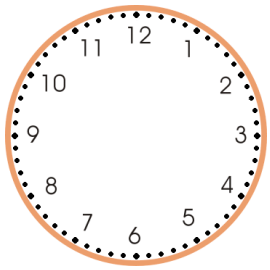
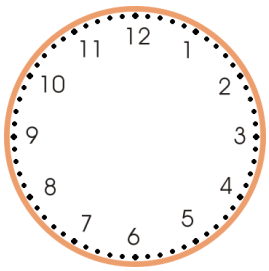
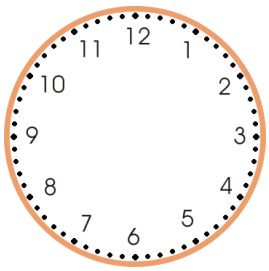
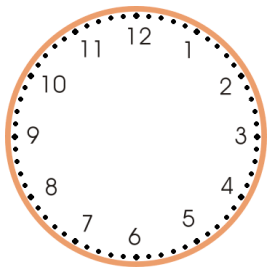
Write the time.

1 a.  _____ : _____	**1 b.**  _____ : _____	**1 c.**  _____ : _____
2 a.  _____ : _____	**2 b.**  _____ : _____	**2 c.**  _____ : _____
3 a.  _____ : _____	**3 b.**  _____ : _____	**3 c.**  _____ : _____
4 a. 	**4 b.** 	**4 c.** 

_____ : _____	_____ : _____	_____ : _____

Draw hands on the clock (to the five-minute)

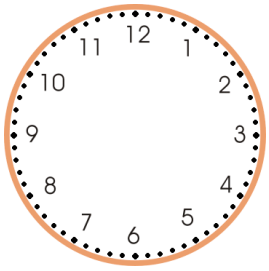
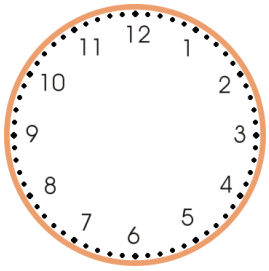
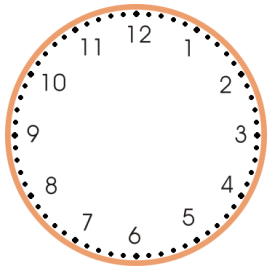
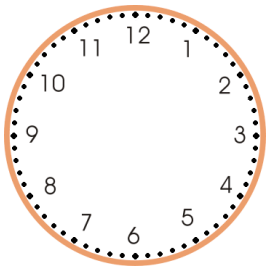
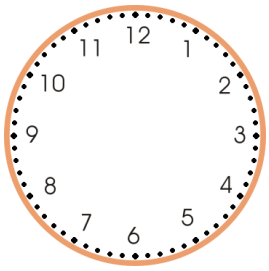
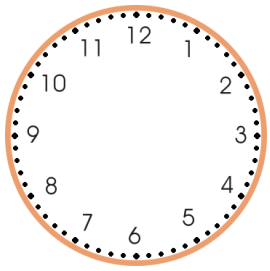
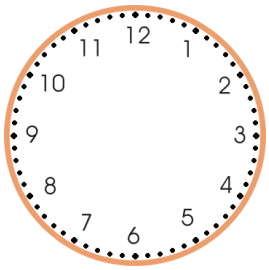
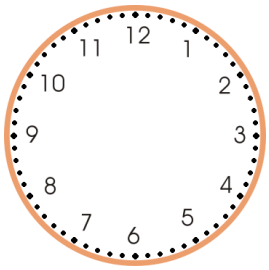
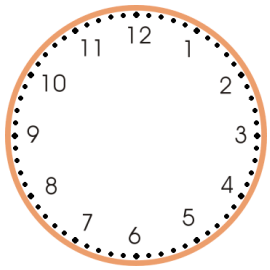
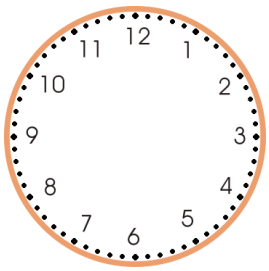
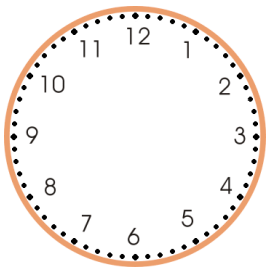
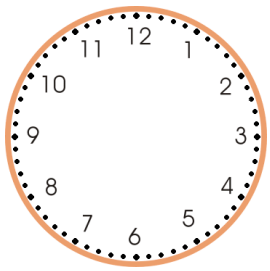
Draw the hands on the clock.

1 a.  3:35	**1 b.**  12:25	**1 c.**  1:30
2 a.  10:15	**2 b.**  6:15	**2 c.**  2:40
3 a.  10:00	**3 b.**  11:30	**3 c.**  9:35
4 a. 	**4 b.** 	**4 c.** 

4:40	5:50	4:10

Draw hands on the clock (to the minute)

Draw the hands on the clock.

1 a.  3:12	**1 b.**  2:32	**1 c.**  2:10
2 a.  11:02	**2 b.**  8:29	**2 c.**  2:20
3 a.  12:45	**3 b.**  7:20	**3 c.**  2:55
4 a. 	**4 b.** 	**4 c.** 

7:59	10:03	5:34

Mental multiplication

I believe in a method I call **structured drilling** of the multiplication tables. It is not random at first, but students practice the tables based on the patterns in the tables — and (VERY IMPORTANT) they practice the tables "backwards" also. Worksheets can be used for random drilling after the initial stage of structured drilling.

Skip-count by 2, starting from 2

Starting at 2, skip-count by 2, and fill in the missing numbers.

_	_____	8 ,	_____	____
_	_____	_____	_____	2 6
_	_____	_____	_____	____
_	_____	_____	_____	____

Skip-count by 3, starting from 3

Starting at 3, skip-count by 3, and fill in the missing numbers.

____	_____	1 2 ,	_____	_
____	3 0 ,	_____	_____	_
8 ,	_____	_____	_____	_
____	_____	_____	_____	_

Skip-count by 4, starting from 4

Starting at 4, skip-count by 4, and fill in the missing numbers.

___	_____	_____	_____	____
___	_____	4 4 ,	_____	____
___	_____	_____	_____	____
___	_____	_____	_____	____

Skip-count by 5, starting from 5

Starting at 5, skip-count by 5, and fill in the missing numbers.

____	_____	_____	_____	__
5 ,	_____	_____	_____	6
0 ,	_____	_____	9 5 ,	__
1 5 ,	_____	_____	_____	__

Skip-count by 6, starting from

Starting at 6, skip-count by 6, and fill in the missing numbers.

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	1 0 2 ,	_____	_____	1 2 0
_____	_____	_____	_____	_____

6Skip-count by 7, starting from 7

Starting at 7, skip-count by 7, and fill in the missing numbers.

4 ,	_____	2 8 ,	_____	__
____	_____	_____	_____	__
____	_____	1 2 6 ,	1 3 3 ,	__
____	_____	_____	1 8 2 ,	__

Skip-count by 8, starting from 8

Starting at 8, skip-count by 8, and fill in the missing numbers.

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	160
_____	_____	_____	_____	_____

Skip-count by 9, starting from 9

Starting at 9, skip-count by 9, and fill in the missing numbers.

____	_____	_____	_____	5
____	_____	_____	1 0 8 ,	__
4 4 ,	_____	_____	_____	__
____	_____	_____	_____	__

Multiplication tables of 2 and 3

1 a. 3 × 1 = _____

1 b. 2 × 4 = _____

2 a. 2 × 10 = _____

2 b. 2 × 5 = _____

3 a. 2 × 1 = _____

3 b. 3 × 3 = _____

4 a. 3 × 10 = _____

4 b. 2 × 7 = _____

5 a. 3 × 5 = _____

5 b. 2 × 11 = _____

6 a. 3 × 2 = _____

6 b. 2 × 6 = _____

7 a. 3 × 11 = _____

7 b. 2 × 12 = _____

8 a. 3 × 4 = _____

8 b. 2 × 9 = _____

9 a. 2 × 3 = _____

9 b. 3 × 12 = _____

10 a. $3 \times 6 =$ _____

10 b. $3 \times 7 =$ _____

Multiplication tables of 5 and 10

1 a. 5 × 7 = _____

1 b. 5 × 10 = _____

2 a. 10 × 9 = _____

2 b. 10 × 4 = _____

3 a. 5 × 2 = _____

3 b. 10 × 10 = _____

4 a. 10 × 3 = _____

4 b. 10 × 8 = _____

5 a. 10 × 5 = _____

5 b. 10 × 12 = _____

6 a. 5 × 4 = _____

6 b. 5 × 6 = _____

7 a. 5 × 11 = _____

7 b. 5 × 9 = _____

8 a. 10 × 6 = _____

8 b. 10 × 11 = _____

9 a. 5 × 12 = _____

9 b. 5 × 5 = _____

10 a. 5 × 3 = _____

10 b. 10 × 7 = _____

Multiplication tables of 5 and 10

1 a. 6 × 1 = _____

1 b. 4 × 10 = _____

2 a. 6 × 2 = _____

2 b. 4 × 12 = _____

3 a. 6 × 12 = _____

3 b. 6 × 3 = _____

4 a. 6 × 7 = _____

4 b. 4 × 3 = _____

5 a. 4 × 4 = _____

5 b. 6 × 6 = _____

6 a. 4 × 8 = _____

6 b. 6 × 8 = _____

7 a. 4 × 2 = _____

7 b. 4 × 11 = _____

8 a. 4 × 9 = _____

8 b. 6 × 4 = _____

9 a. 6 × 9 = _____

9 b. 4 × 1 = _____

10 a. 6 × 10 = _____

10 b. 4 × 6 = _____

Multiplication tables of 7 and 8

1 a. 7 × 8 = _____

1 b. 7 × 7 = _____

2 a. 7 × 6 = _____

2 b. 7 × 11 = _____

3 a. 7 × 3 = _____

3 b. 8 × 6 = _____

4 a. 7 × 2 = _____

4 b. 7 × 9 = _____

5 a. 7 × 1 = _____

5 b. 7 × 4 = _____

6 a. 7 × 12 = _____

6 b. 8 × 7 = _____

7 a. 8 × 3 = _____

7 b. 8 × 2 = _____

8 a. 8 × 1 = _____

8 b. 8 × 5 = _____

9 a. 7 × 5 = _____

9 b. 8 × 12 = _____

10 a. 8 × 9 = _____

10 b. 8 × 8 = _____

Multiplication tables of 9 and 3

1 a. 3 × 12 = _____

1 b. 3 × 5 = _____

2 a. 3 × 10 = _____

2 b. 3 × 8 = _____

3 a. 9 × 7 = _____

3 b. 9 × 2 = _____

4 a. 3 × 3 = _____

4 b. 9 × 8 = _____

5 a. 9 × 10 = _____

5 b. 9 × 11 = _____

6 a. 9 × 12 = _____

6 b. 9 × 9 = _____

7 a. 9 × 4 = _____

7 b. 3 × 2 = _____

8 a. 3 × 6 = _____

8 b. 3 × 11 = _____

9 a. 3 × 7 = _____

9 b. 3 × 4 = _____

10 a. 3 × 1 = _____

10 b. 9 × 6 = _____

Multiplication tables of 7, 8, and 9

1 a. 9 × 7 = _____

1 b. 8 × 2 = _____

2 a. 7 × 5 = _____

2 b. 9 × 3 = _____

3 a. 9 × 9 = _____

3 b. 7 × 8 = _____

4 a. 9 × 8 = _____

4 b. 9 × 6 = _____

5 a. 7 × 4 = _____

5 b. 7 × 7 = _____

6 a. 8 × 10 = _____

6 b. 7 × 2 = _____

7 a. 9 × 4 = _____

7 b. 9 × 5 = _____

8 a. 7 × 9 = _____

8 b. 8 × 3 = _____

9 a. 7 × 3 = _____

9 b. 8 × 9 = _____

10 a. 7 × 6 = _____

10 b. 7 × 10 = _____

Tables 2-5 practice

1 a. 8 × 4 = _____

1 b. 3 × 5 = _____

2 a. 5 × 11 = _____

2 b. 4 × 8 = _____

3 a. 7 × 4 = _____

3 b. 8 × 2 = _____

4 a. 5 × 2 = _____

4 b. 10 × 3 = _____

5 a. 4 × 4 = _____

5 b. 4 × 10 = _____

6 a. 4 × 3 = _____

6 b. 3 × 7 = _____

7 a. 2 × 7 = _____

7 b. 2 × 3 = _____

8 a. 2 × 8 = _____

8 b. 5 × 4 = _____

9 a. 12 × 3 = _____

9 b. 9 × 3 = _____

10 a. 4 × 2 = _____

10 b. 2 × 11 = _____

Tables 6-9 practice

1 a. 10 × 7 = _____

1 b. 8 × 9 = _____

2 a. 6 × 2 = _____

2 b. 1 × 6 = _____

3 a. 9 × 4 = _____

3 b. 4 × 8 = _____

4 a. 6 × 6 = _____

4 b. 6 × 5 = _____

5 a. 3 × 8 = _____

5 b. 12 × 6 = _____

6 a. 12 × 9 = _____

6 b. 2 × 7 = _____

7 a. 9 × 9 = _____

7 b. 8 × 6 = _____

8 a. 4 × 6 = _____

8 b. 6 × 8 = _____

9 a. 6 × 3 = _____

9 b. 7 × 4 = _____

10 a. 8 × 1 = _____

10 b. 5 × 8 = _____

Tables 2-10 practice

1 a. 4 × 9 = _____

1 b. 4 × 8 = _____

2 a. 7 × 3 = _____

2 b. 8 × 4 = _____

3 a. 8 × 8 = _____

3 b. 7 × 7 = _____

4 a. 8 × 9 = _____

4 b. 9 × 4 = _____

5 a. 6 × 5 = _____

5 b. 5 × 6 = _____

6 a. 2 × 3 = _____

6 b. 3 × 9 = _____

7 a. 10 × 6 = _____

7 b. 2 × 6 = _____

8 a. 10 × 10 = _____

8 b. 5 × 9 = _____

9 a. 9 × 9 = _____

9 b. 6 × 4 = _____

10 a. 9 × 8 = _____

10 b. 6 × 7 = _____

Tables 2-12 practice

1 a. 8 × 6 = _____

1 b. 11 × 12 = _____

2 a. 4 × 8 = _____

2 b. 10 × 4 = _____

3 a. 2 × 6 = _____

3 b. 7 × 4 = _____

4 a. 6 × 4 = _____

4 b. 7 × 2 = _____

5 a. 9 × 11 = _____

5 b. 3 × 11 = _____

6 a. 11 × 9 = _____

6 b. 8 × 8 = _____

7 a. 3 × 3 = _____

7 b. 8 × 11 = _____

8 a. 10 × 10 = _____

8 b. 10 × 5 = _____

9 a. 4 × 6 = _____

9 b. 2 × 12 = _____

10 a. 8 × 5 = _____

10 b. 2 × 4 = _____

Multiplication tables 2-10, missing factor

1 a. _____ × 9 = 54

1 b. 6 × _____ = 12

2 a. _____ × 6 = 18

2 b. 4 × _____ = 16

3 a. 5 × _____ = 20

3 b. 8 × _____ = 40

4 a. 6 × _____ = 36

4 b. _____ × 8 = 56

5 a. _____ × 5 = 35

5 b. _____ × 2 = 6

6 a. 5 × _____ = 15

6 b. _____ × 3 = 30

7 a. 9 × _____ = 63

7 b. _____ × 3 = 9

8 a. _____ × 5 = 15

8 b. 6 × _____ = 30

9 a. _____ × 2 = 12

9 b. 9 × _____ = 90

10 a._____ × 7 = 63

10 b._____ × 10 = 100

Multiplication tables 2-12, missing factor

1 a. _____ × 4 = 28

1 b. 10 × _____ = 30

2 a. _____ × 8 = 56

2 b. 6 × _____ = 48

3 a. 4 × _____ = 8

3 b. _____ × 7 = 63

4 a. _____ × 8 = 80

4 b. _____ × 12 = 108

5 a. _____ × 12 = 72

5 b. _____ × 2 = 8

6 a. _____ × 12 = 24

6 b. _____ × 10 = 80

7 a. _____ × 2 = 24

7 b. 7 × _____ = 63

8 a. 7 × _____ = 56

8 b. 11 × _____ = 110

9 a. _____ × 3 = 36

9 b. _____ × 12 = 96

10 a._____ × 5 = 15

10 b._____ × 3 = 15

Multiply whole tens by single-digit numbers

1 a. 4 × 60 = _____

1 b. 8 × 20 = _____

2 a. 9 × 30 = _____

2 b. 90 × 8 = _____

3 a. 30 × 9 = _____

3 b. 40 × 5 = _____

4 a. 30 × 7 = _____

4 b. 50 × 9 = _____

5 a. 60 × 4 = _____

5 b. 50 × 2 = _____

6 a. 20 × 4 = _____

6 b. 90 × 6 = _____

7 a. 8 × 80 = _____

7 b. 90 × 9 = _____

8 a. 30 × 3 = _____

8 b. 8 × 30 = _____

9 a. 7 × 40 = _____

9 b. 4 × 20 = _____

10 a. 60 × 2 = _____

10 b. 3 × 70 = _____

Multiply by whole tens, missing factor

1 a. 8 × _____ = 320

1 b. _____ × 60 = 480

2 a. 70 × _____ = 140

2 b. 9 × _____ = 180

3 a. 80 × _____ = 160

3 b. 80 × _____ = 560

4 a. 6 × _____ = 540

4 b. 2 × _____ = 180

5 a. 50 × _____ = 450

5 b. _____ × 5 = 250

6 a. 6 × _____ = 480

6 b. _____ × 70 = 280

7 a. 90 × _____ = 360

7 b. 4 × _____ = 120

8 a. _____ × 6 = 480

8 b. 90 × _____ = 810

9 a. _____ × 5 = 200

9 b. _____ × 2 = 60

10 a. _____ × 6 = 240

10 b. _____ × 5 = 350

Mental division

Division by 2 or 3

1 a. 27 ÷ 3 = _____

1 b. 9 ÷ 3 = _____

2 a. 6 ÷ 2 = _____

2 b. 24 ÷ 3 = _____

3 a. 14 ÷ 2 = _____

3 b. 30 ÷ 3 = _____

4 a. 2 ÷ 2 = _____

4 b. 15 ÷ 3 = _____

5 a. 12 ÷ 2 = _____

5 b. 18 ÷ 3 = _____

6 a. 20 ÷ 2 = _____

6 b. 10 ÷ 2 = _____

7 a. 6 ÷ 3 = _____

7 b. 18 ÷ 2 = _____

8 a. 8 ÷ 2 = _____

8 b. 16 ÷ 2 = _____

9 a. 4 ÷ 2 = _____

9 b. 12 ÷ 3 = _____

10 a. 3 ÷ 3 = _____

10 b. 21 ÷ 3 = _____

Division by 4 or 5

1 a. 24 ÷ 4 = _____

1 b. 28 ÷ 4 = _____

2 a. 8 ÷ 4 = _____

2 b. 50 ÷ 5 = _____

3 a. 36 ÷ 4 = _____

3 b. 25 ÷ 5 = _____

4 a. 20 ÷ 4 = _____

4 b. 4 ÷ 4 = _____

5 a. 40 ÷ 4 = _____

5 b. 20 ÷ 5 = _____

6 a. 30 ÷ 5 = _____

6 b. 10 ÷ 5 = _____

7 a. 5 ÷ 5 = _____

7 b. 40 ÷ 5 = _____

8 a. 45 ÷ 5 = _____

8 b. 32 ÷ 4 = _____

9 a. 12 ÷ 4 = _____

9 b. 35 ÷ 5 = _____

10 a. 16 ÷ 4 = _____

10 b. 15 ÷ 5 = _____

Division by 6 or 7

1 a. 49 ÷ 7 = _____

1 b. 60 ÷ 6 = _____

2 a. 42 ÷ 6 = _____

2 b. 54 ÷ 6 = _____

3 a. 36 ÷ 6 = _____

3 b. 42 ÷ 7 = _____

4 a. 21 ÷ 7 = _____

4 b. 7 ÷ 7 = _____

5 a. 12 ÷ 6 = _____

5 b. 56 ÷ 7 = _____

6 a. 48 ÷ 6 = _____

6 b. 28 ÷ 7 = _____

7 a. 30 ÷ 6 = _____

7 b. 18 ÷ 6 = _____

8 a. 63 ÷ 7 = _____

8 b. 14 ÷ 7 = _____

9 a. 35 ÷ 7 = _____

9 b. 6 ÷ 6 = _____

10 a. 24 ÷ 6 = _____

10 b. 70 ÷ 7 = _____

Division by 8 or 9

1 a. 63 ÷ 9 = _____

1 b. 90 ÷ 9 = _____

2 a. 56 ÷ 8 = _____

2 b. 9 ÷ 9 = _____

3 a. 27 ÷ 9 = _____

3 b. 48 ÷ 8 = _____

4 a. 64 ÷ 8 = _____

4 b. 18 ÷ 9 = _____

5 a. 16 ÷ 8 = _____

5 b. 81 ÷ 9 = _____

6 a. 40 ÷ 8 = _____

6 b. 36 ÷ 9 = _____

7 a. 24 ÷ 8 = _____

7 b. 8 ÷ 8 = _____

8 a. 32 ÷ 8 = _____

8 b. 54 ÷ 9 = _____

9 a. 80 ÷ 8 = _____

9 b. 45 ÷ 9 = _____

10 a. 72 ÷ 8 = _____

10 b. 72 ÷ 9 = _____

Division facts practice (tables 1-10)

1 a. 32 ÷ 8 = _____

1 b. 12 ÷ 3 = _____

2 a. 2 ÷ 1 = _____

2 b. 80 ÷ 8 = _____

3 a. 45 ÷ 9 = _____

3 b. 7 ÷ 1 = _____

4 a. 36 ÷ 9 = _____

4 b. 54 ÷ 6 = _____

5 a. 18 ÷ 2 = _____

5 b. 60 ÷ 10 = _____

6 a. 35 ÷ 5 = _____

6 b. 48 ÷ 8 = _____

7 a. 72 ÷ 9 = _____

7 b. 6 ÷ 3 = _____

8 a. 7 ÷ 7 = _____

8 b. 72 ÷ 8 = _____

9 a. 5 ÷ 5 = _____

9 b. 40 ÷ 10 = _____

Division facts practice (tables 1-12)

1 a. 2 ÷ 1 = _____

1 b. 12 ÷ 3 = _____

2 a. 10 ÷ 5 = _____

2 b. 36 ÷ 9 = _____

3 a. 72 ÷ 9 = _____

3 b. 8 ÷ 4 = _____

4 a. 24 ÷ 8 = _____

4 b. 7 ÷ 1 = _____

5 a. 16 ÷ 2 = _____

5 b. 4 ÷ 1 = _____

6 a. 6 ÷ 3 = _____

6 b. 20 ÷ 4 = _____

7 a. 120 ÷ 10 = _____

7 b. 28 ÷ 7 = _____

8 a. 42 ÷ 6 = _____

8 b. 63 ÷ 9 = _____

9 a. 10 ÷ 1 = _____

9 b. 18 ÷ 6 = _____

10 a. 64 ÷ 8 = _____

10 b. 14 ÷ 7 = _____

Missing dividend or divisor (basic facts)

1 a. _____ ÷ 8 = 1

1 b. 21 ÷ _____ = 7

2 a. _____ ÷ 8 = 5

2 b. _____ ÷ 9 = 3

3 a. 20 ÷ _____ = 5

3 b. 12 ÷ _____ = 2

4 a. 18 ÷ _____ = 6

4 b. 40 ÷ _____ = 5

5 a. _____ ÷ 9 = 10

5 b. 21 ÷ _____ = 3

6 a. 10 ÷ _____ = 2

6 b. _____ ÷ 4 = 7

7 a. _____ ÷ 6 = 9

7 b. _____ ÷ 10 = 8

8 a. 16 ÷ _____ = 4

8 b. 16 ÷ _____ = 2

9 a. _____ ÷ 3 = 7

9 b. _____ ÷ 9 = 2

10 a._____ ÷ 8 = 10

10 b._____ ÷ 5 = 4

11 a._____ ÷ 10 = 4

11 b.64 ÷ _____ = 8

Division with remainder within 1-100, based on basic facts.

1 a. 20 ÷ 4 = _____

1 b. 46 ÷ 9 = _____

2 a. 32 ÷ 6 = _____

2 b. 20 ÷ 8 = _____

3 a. 21 ÷ 8 = _____

3 b. 4 ÷ 3 = _____

4 a. 80 ÷ 9 = _____

4 b. 16 ÷ 8 = _____

5 a. 20 ÷ 9 = _____

5 b. 43 ÷ 7 = _____

6 a. 11 ÷ 7 = _____

6 b. 17 ÷ 3 = _____

7 a. 11 ÷ 9 = _____

7 b. 17 ÷ 2 = _____

8 a. 19 ÷ 3 = _____

8 b. 14 ÷ 3 = _____

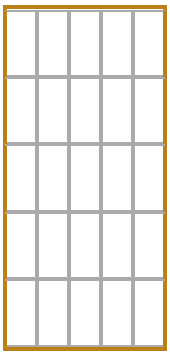
9 a. 12 ÷ 7 = _____

9 b. 28 ÷ 6 = _____

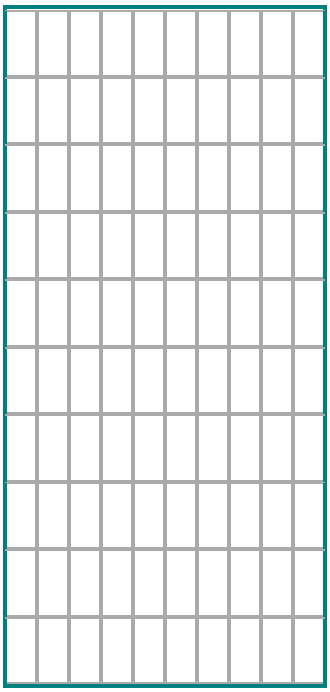
Geometry

Draw a rectangle with given area, or find the area of a given rectangle (grid image)

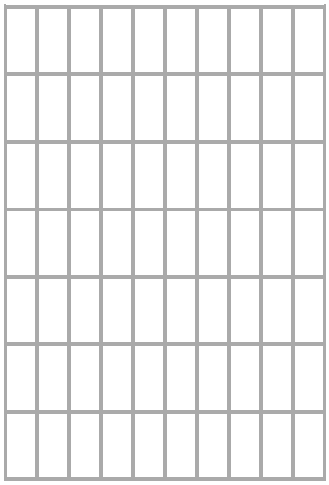
1 a. Find the area of this square.



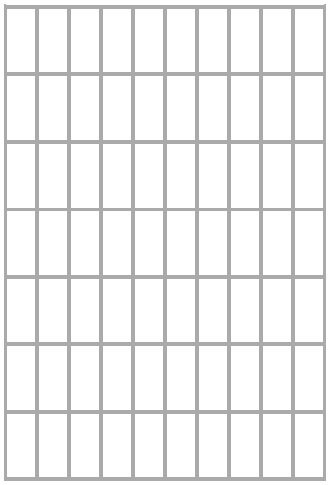
1 b. Find the area of this square.

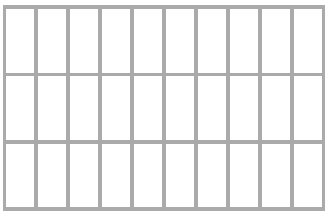


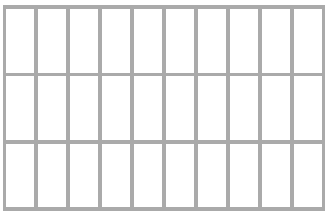
2 a. Draw a rectangle with an area of 56 square units.



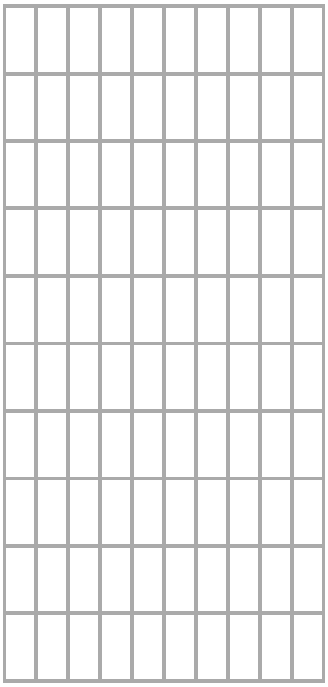
2 b. Draw a rectangle with an area of 27 square units.



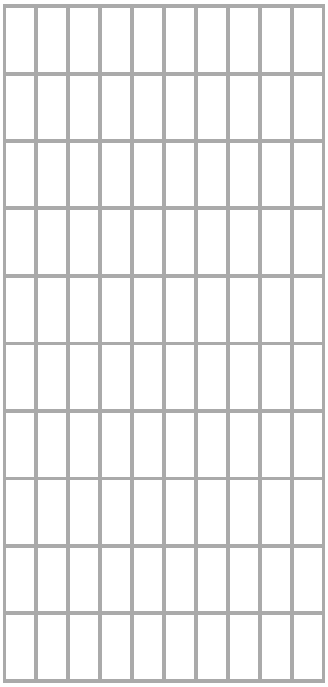




3 a. Draw a rectangle with an area of 14 square units.



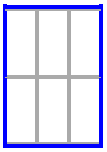
3 b. Draw a rectangle with an area of 64 square units.



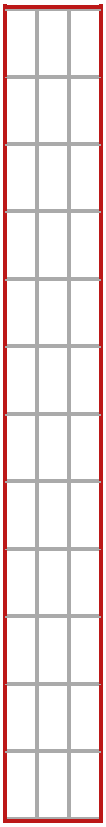
Find the area and perimeter of the given rectangle (grid image)

Area / Perimeter Worksheet

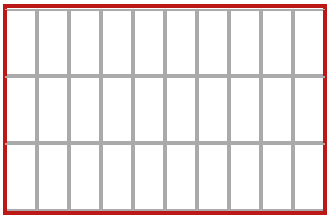
1 a. Find the area and perimeter of this rectangle.



1 b. Find the area and perimeter of this rectangle.

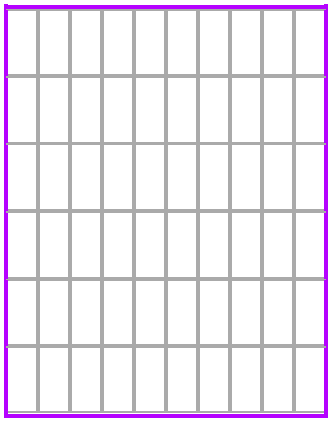


2 a. Find the area and perimeter of this rectangle.

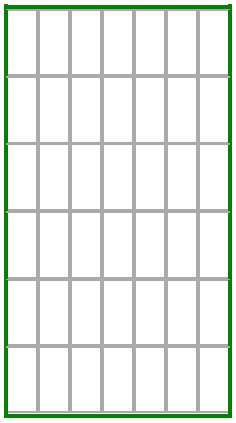


2 b. Find the area and perimeter of this rectangle.

3 a. Find the area and perimeter of this rectangle.



3 b. Find the area and perimeter of this rectangle.



Find the area, perimeter, or the missing side length (rectangle image)

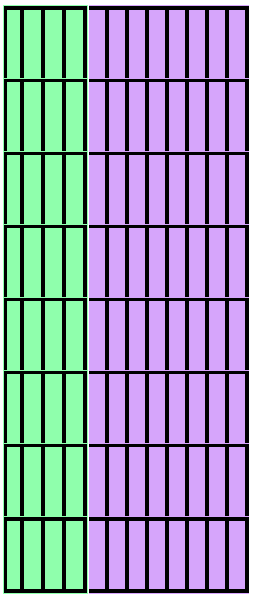
1 a. Find the missing side length, when the area is 18 square units. 2 ? A = 18 square units	**1 b.** Find the perimeter of the rectangle. 2 9
2 a. Find the missing side length, when the area is 81 square units. ? 9 A = 81 square units	**2 b.** Find the area of the rectangle. 10 2
3 a. Find the missing side length, when the area is 64 square units. ? 8 A = 64 square units	**3 b.** Find the missing side length, when the area is 16 square units. 8 ? A = 16 square units

Find the area, perimeter, or the missing side length (word problem or rectangle image)

1 a. Find the area of the square. 4 4 	**1 b.** Find the area of the square. 8 8 
2 a. The sides of a rectangle are 9 and 7. Find its area.	**2 b.** Find the area of the square. 9 9 
3 a. The area of a rectangle is 30 square units, and one of its sides is 10. Find its perimeter.	**3 b.** The perimeter of a rectangle is 16, and one of its sides is 6. Find its area.

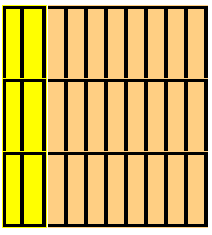
Fill in a number sentence for the two-part rectangle, thinking of one rectangle or two (distributive property) (in your browser options, make sure background colors get printed)

1 a. Write a number sentence for the total area, thinking of one rectangle or two.



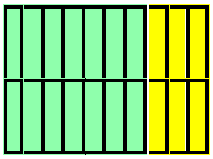
____ × (____ + ____)	=	_____ × _____	+	_____ × _____	=	_____
area of the whole rectangle		area of the first part		area of the second part		

2 a. Write a number sentence for the total area, thinking of one rectangle or two.



____ × (____ + ____)	=	_____ × _____	+	_____ × _____	=	_____
area of the whole rectangle		area of the first part		area of the second part		

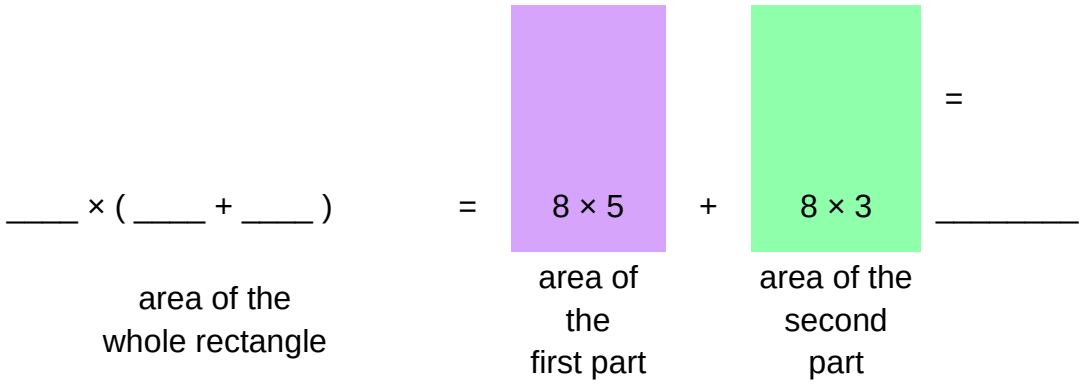
3 a. Write a number sentence for the total area, thinking of one rectangle or two.



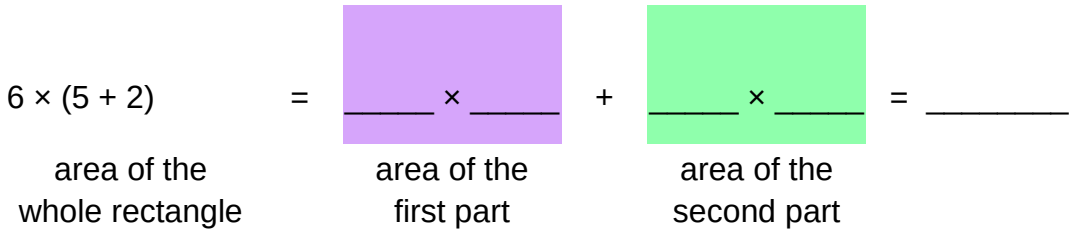
____ × (____ + ____)	=	_____ × _____	+	_____ × _____	=	_____
area of the whole rectangle		area of the first part		area of the second part		

Draw a two-part rectangle to match the given number sentence for its total area (distributive property) (in your browser options, make sure background colors get printed)

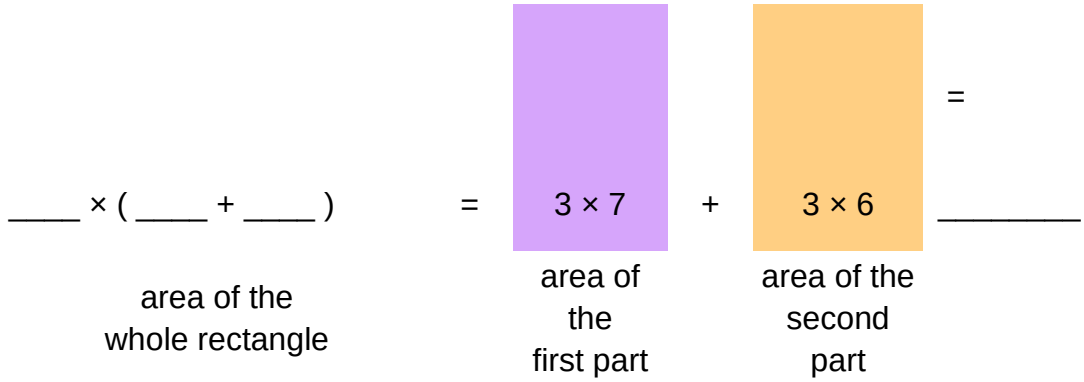
1 a. Draw a two-part rectangle whose area matches the number sentence.



2 a. Draw a two-part rectangle whose area matches the number sentence.



3 a. Draw a two-part rectangle whose area matches the number sentence.



Draw a rectangle OR write its area using distributive property (mixed practice)

1 a. Draw a two-part rectangle whose area matches the number sentence.

____ × (____ + ____) = 5 × 5 + 5 × 5 = _____

area of the whole rectangle

area of the first part

area of the second part

2 a. Draw a two-part rectangle whose area matches the number sentence.

____ × (____ + ____) = 8 × 6 + 8 × 7 = _____

area of the whole rectangle	area of the first part	area of the second part

Measuring units

Converting between measuring units is not included in the Common Core Standards for 3rd grade, so these are completely optional.

Convert between whole feet and inches

Convert.

1 a. 5 ft = _____ in

1 b. 132 in = _____ ft

2 a. 48 in = _____ ft

2 b. 24 in = _____ ft

3 a. 108 in = _____ ft

3 b. 120 in = _____ ft

4 a. 12 in = _____ ft

4 b. 96 in = _____ ft

5 a. 144 in = _____ ft

5 b. 36 in = _____ ft

6 a. 72 in = _____ ft

6 b. 7 ft = _____ in

7 a. 6 ft = _____ in

7 b. 96 in = _____ ft

8 a. 5 ft = _____ in

8 b. 132 in = _____ ft

9 a. 36 in = _____ ft

9 b. 132 in = _____ ft

10 a. 11 ft = _____ in

10 b. 7 ft = _____ in

Convert between whole yards & feet

Convert.

1 a. 11 yd = _____ ft

1 b. 6 ft = _____ yd

2 a. 18 ft = _____ yd

2 b. 8 yd = _____ ft

3 a. 3 yd = _____ ft

3 b. 3 ft = _____ yd

4 a. 30 ft = _____ yd

4 b. 15 ft = _____ yd

5 a. 12 ft = _____ yd

5 b. 27 ft = _____ yd

6 a. 12 yd = _____ ft

6 b. 7 yd = _____ ft

7 a. 12 ft = _____ yd

7 b. 3 ft = _____ yd

8 a. 36 ft = _____ yd

8 b. 8 yd = _____ ft

9 a. 21 ft = _____ yd

9 b. 12 yd = _____ ft

10 a. 12 ft = _____ yd

10 b. 4 yd = _____ ft

Convert between whole feet & inches, and whole yards & feet

Convert.

1 a. 60 in = _____ ft

1 b. 24 in = _____ ft

2 a. 10 ft = _____ in

2 b. 6 ft = _____ yd

3 a. 24 ft = _____ yd

3 b. 9 ft = _____ in

4 a. 12 in = _____ ft

4 b. 12 ft = _____ in

5 a. 27 ft = _____ yd

5 b. 7 ft = _____ in

6 a. 11 yd = _____ ft

6 b. 5 yd = _____ ft

7 a. 8 ft = _____ in

7 b. 72 in = _____ ft

8 a. 3 ft = _____ in

8 b. 3 yd = _____ ft

9 a. 3 ft = _____ yd

9 b. 12 ft = _____ yd

10 a. 132 in = _____ ft

10 b. 48 in = _____ ft

Convert between ounces & whole pounds

Convert.

1 a. 8 lb = _____ oz

1 b. 10 lb = _____ oz

2 a. 3 lb = _____ oz

2 b. 9 lb = _____ oz

3 a. 6 lb = _____ oz

3 b. 4 lb = _____ oz

4 a. 32 oz = _____ lb

4 b. 1 lb = _____ oz

5 a. 7 lb = _____ oz

5 b. 5 lb = _____ oz

6 a. 144 oz = _____ lb

6 b. 1 lb = _____ oz

7 a. 112 oz = _____ lb

7 b. 9 lb = _____ oz

8 a. 160 oz = _____ lb

8 b. 5 lb = _____ oz

9 a. 128 oz = _____ lb

9 b. 3 lb = _____ oz

10 a. 8 lb = _____ oz

10 b. 64 oz = _____ lb

Convert between cups & whole pints

Convert.

1 a. 6 pt = _____ C

1 b. 8 pt = _____ C

2 a. 3 pt = _____ C

2 b. 14 C = _____ pt

3 a. 5 pt = _____ C

3 b. 2 C = _____ pt

4 a. 8 C = _____ pt

4 b. 4 C = _____ pt

5 a. 8 C = _____ pt

5 b. 4 pt = _____ C

6 a. 2 C = _____ pt

6 b. 6 pt = _____ C

7 a. 4 pt = _____ C

7 b. 14 C = _____ pt

8 a. 7 pt = _____ C

8 b. 8 pt = _____ C

9 a. 8 C = _____ pt

9 b. 1 pt = _____ C

10 a. 1 pt = _____ C

10 b. 6 C = _____ pt

Convert between cups and whole quarts

Convert.

1 a. 3 qt = _____ C

1 b. 16 C = _____ qt

2 a. 8 C = _____ qt

2 b. 4 C = _____ qt

3 a. 12 C = _____ qt

3 b. 4 C = _____ qt

4 a. 4 qt = _____ C

4 b. 1 qt = _____ C

5 a. 12 C = _____ qt

5 b. 8 C = _____ qt

6 a. 8 C = _____ qt

6 b. 4 C = _____ qt

7 a. 4 qt = _____ C

7 b. 12 C = _____ qt

8 a. 2 qt = _____ C

8 b. 3 qt = _____ C

9 a. 4 C = _____ qt

9 b. 2 qt = _____ C

10 a. 4 C = _____ qt

10 b. 4 C = _____ qt

Convert between quarts and whole gallons

Convert.

1 a. 6 gal = _____ qt

1 b. 4 qt = ____ gal

2 a. 7 gal = _____ qt

2 b. 3 gal = _____ qt

3 a. 8 qt = ____ gal

3 b. 5 gal = _____ qt

4 a. 8 gal = _____ qt

4 b. 4 gal = _____ qt

5 a. 5 gal = _____ qt

5 b. 20 qt = ____ gal

6 a. 3 gal = _____ qt

6 b. 12 qt = ____ gal

7 a. 5 gal = _____ qt

7 b. 6 gal = _____ qt

8 a. 28 qt = ____ gal

8 b. 32 qt = ____ gal

9 a. 7 gal = _____ qt

9 b. 7 gal = _____ qt

10 a. 5 gal = _____ qt

10 b. 28 qt = ____ gal

Convert between cups, pints, and quarts

Convert.

1 a. 6 C = _____ pt

1 b. 1 qt = _____ pt

2 a. 16 C = _____ qt

2 b. 2 qt = _____ C

3 a. 16 C = _____ pt

3 b. 2 qt = _____ pt

4 a. 14 C = _____ pt

4 b. 12 C = _____ qt

5 a. 1 pt = _____ C

5 b. 12 C = _____ pt

6 a. 4 qt = _____ pt

6 b. 4 C = _____ pt

7 a. 6 pt = _____ qt

7 b. 10 C = _____ pt

8 a. 4 C = _____ qt

8 b. 8 C = _____ pt

9 a. 3 qt = _____ C

9 b. 2 qt = _____ C

10 a. 1 qt = _____ C

10 b. 3 pt = _____ C

Convert between cups, pints, quarts, and gallons

Convert.

1 a. 8 C = _____ qt

1 b. 1 qt = _____ C

2 a. 1 gal = _____ qt

2 b. 6 pt = _____ qt

3 a. 16 C = _____ qt

3 b. 16 qt = ____ gal

4 a. 7 pt = _____ C

4 b. 1 qt = _____ pt

5 a. 4 qt = _____ pt

5 b. 7 gal = _____ qt

6 a. 3 gal = _____ qt

6 b. 2 gal = _____ qt

7 a. 6 pt = _____ C

7 b. 4 pt = _____ qt

8 a. 8 C = _____ pt

8 b. 1 pt = _____ C

9 a. 20 qt = ____ gal

9 b. 3 qt = _____ C

10 a. 5 pt = _____ C

10 b. 4 C = _____ pt

All customary units mentioned above - mixed practice

Convert.

1 a. 72 in = _____ ft

1 b. 6 gal = _____ qt

2 a. 12 ft = _____ yd

2 b. 6 pt = _____ C

3 a. 5 gal = _____ qt

3 b. 18 ft = _____ yd

4 a. 6 pt = _____ qt

4 b. 8 yd = _____ ft

5 a. 4 C = _____ qt

5 b. 2 C = _____ pt

6 a. 4 qt = _____ C

6 b. 1 lb = _____ oz

7 a. 3 pt = _____ C

7 b. 96 in = _____ ft

8 a. 7 yd = _____ ft

8 b. 8 pt = _____ qt

9 a. 8 C = _____ pt

9 b. 8 C = _____ qt

10 a. 2 pt = _____ qt

10 b. 7 pt = _____ C

Metric units

Convert between millimeters & whole centimeters

Convert.

1 a. 10 cm = _____ mm

1 b. 3 cm = _____ mm

2 a. 1 cm = _____ mm

2 b. 4 cm = _____ mm

3 a. 9 cm = _____ mm

3 b. 50 mm = _____ cm

4 a. 6 cm = _____ mm

4 b. 20 mm = _____ cm

5 a. 80 mm = _____ cm

5 b. 70 mm = _____ cm

6 a. 9 cm = _____ mm

6 b. 7 cm = _____ mm

7 a. 10 cm = _____ mm

7 b. 60 mm = _____ cm

8 a. 100 mm = _____ cm

8 b. 90 mm = _____ cm

9 a. 6 cm = _____ mm

9 b. 60 mm = _____ cm

10 a. 4 cm = _____ mm

10 b. 40 mm = _____ cm

Convert between centimeters & whole meters

Convert.

1 a. 1 m = _____ cm

1 b. 400 cm = _____ m

2 a. 200 cm = _____ m

2 b. 800 cm = _____ m

3 a. 9 m = _____ cm

3 b. 6 m = _____ cm

4 a. 700 cm = _____ m

4 b. 3 m = _____ cm

5 a. 10 m = _____ cm

5 b. 500 cm = _____ m

6 a. 7 m = _____ cm

6 b. 100 cm = _____ m

7 a. 5 m = _____ cm

7 b. 2 m = _____ cm

8 a. 1000 cm = _____ m

8 b. 400 cm = _____ m

9 a. 8 m = _____ cm

9 b. 700 cm = _____ m

10 a. 400 cm = _____ m

10 b. 900 cm = _____ m

Convert between meters and whole kilometers

Convert.

1 a. 3,000 m = _____ km

1 b. 2 km = _____ m

2 a. 1,000 m = _____ km

2 b. 9 km = _____ m

3 a. 7 km = _____ m

3 b. 6,000 m = _____ km

4 a. 4 km = _____ m

4 b. 5,000 m = _____ km

5 a. 10,000 m = _____ km

5 b. 8 km = _____ m

6 a. 6,000 m = _____ km

6 b. 7,000 m = _____ km

7 a. 8,000 m = _____ km

7 b. 6 km = _____ m

8 a. 8 km = _____ m

8 b. 3 km = _____ m

9 a. 3 km = _____ m

9 b. 10 km = _____ m

10 a. 7 km = _____ m

10 b. 2,000 m = _____ km

Mixed practice of millimeters, centimeters, and meters

Convert.

1 a. 9 km = _____ m

1 b. 200 cm = _____ m

2 a. 30 mm = _____ cm

2 b. 5 cm = _____ mm

3 a. 900 cm = _____ m

3 b. 5,000 m = _____ km

4 a. 400 cm = _____ m

4 b. 7 cm = _____ mm

5 a. 6 cm = _____ mm

5 b. 6,000 m = _____ km

6 a. 2,000 m = _____ km

6 b. 90 mm = _____ cm

7 a. 10 km = _____ m

7 b. 2 cm = _____ mm

8 a. 300 cm = _____ m

8 b. 40 mm = _____ cm

9 a. 10 mm = _____ cm

9 b. 1000 cm = _____ m

10 a. 8 cm = _____ mm

10 b. 1,000 m = _____ km

Mixed practice of all of those above (mm, cm, m, and km)

Convert.

1 a. 600 cm = _____ m

1 b. 70 mm = _____ cm

2 a. 300 cm = _____ m

2 b. 5 m = _____ cm

3 a. 3 cm = _____ mm

3 b. 5 cm = _____ mm

4 a. 10,000 m = _____ km

4 b. 4 m = _____ cm

5 a. 9 cm = _____ mm

5 b. 200 cm = _____ m

6 a. 8 m = _____ cm

6 b. 2 cm = _____ mm

7 a. 100 cm = _____ m

7 b. 4,000 m = _____ km

8 a. 3 km = _____ m

8 b. 80 mm = _____ cm

9 a. 5 km = _____ m

9 b. 6 cm = _____ mm

10 a. 1 km = _____ m

10 b. 10 cm = _____ mm

Convert between milliliters and whole liters

Convert.

1 a. 2 L = _____ ml

1 b. 7,000 ml = _____ L

2 a. 6 L = _____ ml

2 b. 4 L = _____ ml

3 a. 8 L = _____ ml

3 b. 9,000 ml = _____ L

4 a. 5,000 ml = _____ L

4 b. 1 L = _____ ml

5 a. 3,000 ml = _____ L

5 b. 10,000 ml = _____ L

6 a. 7,000 ml = _____ L

6 b. 6 L = _____ ml

7 a. 2,000 ml = _____ L

7 b. 3,000 ml = _____ L

8 a. 5 L = _____ ml

8 b. 4 L = _____ ml

9 a. 5 L = _____ ml

9 b. 3 L = _____ ml

10 a. 8 L = _____ ml

10 b. 3 L = _____ ml

Convert between grams and whole kilograms

Convert.

1 a. 9 kg = _____ g

1 b. 5,000 g = _____ kg

2 a. 1,000 g = _____ kg

2 b. 6 kg = _____ g

3 a. 7 kg = _____ g

3 b. 4,000 g = _____ kg

4 a. 2 kg = _____ g

4 b. 3,000 g = _____ kg

5 a. 10 kg = _____ g

5 b. 8,000 g = _____ kg

6 a. 3,000 g = _____ kg

6 b. 3,000 g = _____ kg

7 a. 6 kg = _____ g

7 b. 2,000 g = _____ kg

8 a. 3,000 g = _____ kg

8 b. 8 kg = _____ g

9 a. 4 kg = _____ g

9 b. 7 kg = _____ g

10 a. 3,000 g = _____ kg

10 b. 5,000 g = _____ kg

Mixed practice - ml & l and g & kg

Convert.

1 a. 8,000 g = _____ kg

1 b. 8 L = _____ ml

2 a. 6,000 ml = _____ L

2 b. 3 kg = _____ g

3 a. 1,000 g = _____ kg

3 b. 4,000 ml = _____ L

4 a. 10 kg = _____ g

4 b. 7,000 ml = _____ L

5 a. 9 kg = _____ g

5 b. 6 kg = _____ g

6 a. 10 L = _____ ml

6 b. 2 kg = _____ g

7 a. 1 L = _____ ml

7 b. 9,000 ml = _____ L

8 a. 4 kg = _____ g

8 b. 2,000 ml = _____ L

9 a. 5,000 ml = _____ L

9 b. 7 kg = _____ g

10 a. 3 L = _____ ml

10 b. 5,000 g = _____ kg

All metric units mentioned above - mixed practice

Convert.

1 a. 10 cm = _____ mm

1 b. 2 kg = _____ g

2 a. 1 kg = _____ g

2 b. 7,000 g = _____ kg

3 a. 8 cm = _____ mm

3 b. 4,000 g = _____ kg

4 a. 1 cm = _____ mm

4 b. 7,000 ml = _____ L

5 a. 20 mm = _____ cm

5 b. 10 m = _____ cm

6 a. 1,000 ml = _____ L

6 b. 60 mm = _____ cm

7 a. 90 mm = _____ cm

7 b. 700 cm = _____ m

8 a. 30 mm = _____ cm

8 b. 5 m = _____ cm

9 a. 400 cm = _____ m

9 b. 9 kg = _____ g

10 a. 4 L = _____ ml

10 b. 2 m = _____ cm

Fractions

The worksheets for changing mixed numbers to fractions or vice versa are optional, as it is not required the student be able to do these in 3rd grade without a visual model.

Mixed numbers to fractions

Write these mixed numbers as fractions.

1 a. $2\frac{3}{4}$

1 b. $8\frac{1}{2}$

2 a. $3\frac{1}{6}$

2 b. $1\frac{4}{10}$

3 a. $7\frac{7}{8}$

3 b. $10\frac{5}{9}$

4 a. $4\frac{5}{6}$

4 b. $3\frac{4}{8}$

5 a. $2\frac{8}{12}$

5 b. $10\frac{1}{7}$

6 a. $3\frac{1}{\ }$

6 b. $5\frac{3}{\ }$

9 4

Fractions to mixed numbers

Write these fractions as mixed numbers.

1 a. $\frac{24}{5}$

1 b. $\frac{14}{12}$

2 a. $\frac{12}{3}$

2 b. $\frac{22}{6}$

3 a. $\frac{23}{8}$

3 b. $\frac{27}{4}$

4 a. $\frac{24}{2}$

4 b. $\frac{12}{10}$

5 a. $\frac{30}{6}$

5 b. $\frac{12}{11}$

6 a. $\frac{25}{5}$

6 b. $\frac{15}{2}$

7 a. $\frac{20}{8}$

7 b. $\frac{22}{2}$