1 Write numbers up to one million in digits

Let's Learn

Write the numbers below in digits.	
Four hundred and three thousand, eight hundred and seven	Four hundred thousand, two hundred and twenty-one
Nine hundred and nine thousand	Two hundred and twenty thousand and twenty

Your Turn

Write the numbers below in digits.	
Two hundred and ten thousand, two hundred and one	Three hundred thousand, three hundred and three
Eight hundred and eight thousand	Five hundred and fifty thousand and fifty

2 Write numbers up to one million in words

Let's Learn

Write the numbers below in words.
384,384
592,000
400,040
480,500

Your Turn

Write the numbers below in words.
271,207
384,000
800,080
210,900

3 Identify the digit in each place value for six-digit numbers

Let's Learn

For the questions below, write the digit of each place value.

198,238		201,467		392,564	
Hundred-thousands:		Hundreds:		Ten-thousands:	
Ten-thousands:		Hundred-thousands:		Tens:	
Thousands:		Ten-thousands:		Ones:	
Hundreds:		Ones:		Hundred-thousands:	
Tens:		Thousands:		Thousands:	
Ones:		Tens:		Hundreds:	

Your Turn

For the questions below, write the digit of each place value.

573,218		643,752		297,138	
Hundred-thousands:		Hundreds:		Ten-thousands:	
Ten-thousands:		Hundred-thousands:		Tens:	
Thousands:		Ten-thousands:		Ones:	
Hundreds:		Ones:		Hundred-thousands:	
Tens:		Thousands:		Thousands:	
Ones:		Tens:		Hundreds:	

4 Identify the value of each digit in six-digit numbers

Let's Learn

For the questions below, write the value of each digit.

92,035	481,297	509,413
9 represents: ☐	2 represents: ☐	0 represents: ☐
2 represents: ☐	1 represents: ☐	4 represents: ☐
0 represents: ☐	7 represents: ☐	5 represents: ☐
3 represents: ☐	4 represents: ☐	3 represents: ☐
5 represents: ☐	9 represents: ☐	1 represents: ☐
	8 represents: ☐	9 represents: ☐

Your Turn

For the questions below, write the value of each digit.

45,602	528,937	409,375
4 represents: ☐	9 represents: ☐	0 represents: ☐
5 represents: ☐	8 represents: ☐	3 represents: ☐
6 represents: ☐	7 represents: ☐	4 represents: ☐
0 represents: ☐	5 represents: ☐	5 represents: ☐
2 represents: ☐	3 represents: ☐	7 represents: ☐
	2 represents: ☐	9 represents: ☐

5 Partition six-digit numbers

Let's Learn

Partition the numbers below.

40951 = ☐ + ☐ + ☐ + ☐ + ☐

583912 = ☐ + ☐ + ☐ + ☐ + ☐ + ☐

450155 = ☐ + ☐ + ☐ + ☐ + ☐

Your Turn

Partition the numbers below.

80627 = ☐ + ☐ + ☐ + ☐

755766 = ☐ + ☐ + ☐ + ☐ + ☐ + ☐

626026 = ☐ + ☐ + ☐ + ☐ + ☐

6 Compare numbers with up to six digits

Let's Learn

Write **>** or **<** in each box.

525252 ☐ 252525	333333 ☐ 44444	563929 ☐ 592932
404888 ☐ 408444	815531 ☐ 815315	55000 ☐ 500000

Your Turn

Write **>** or **<** in each box.

464646 ☐ 644444	200000 ☐ 99999	696222 ☐ 669666
458458 ☐ 485459	265526 ☐ 265656	66000 ☐ 600000

7 Order numbers with up to six digits

Let's Learn

Order each set of numbers from smallest to largest.

540 000, 45 400, 54 000, 455 000, 544 000

77 666, 677 666, 67 777, 767 666, 776 777

Your Turn

Order each set of numbers from smallest to largest.

660 000, 60 900, 690 000, 9 600, 669 000

45 555, 540 444, 54 444, 545 555, 554 444

8 Round to the nearest 10 000, 1 000, 100 or 10

Let's Learn

For the questions below, round each number to the specified degree of accuracy.

282,493 Round to the nearest…	391,295 Round to the nearest…	302,401 Round to the nearest…
Hundred thousand:	Hundred thousand:	Hundred thousand:
Ten thousand:	Ten thousand:	Ten thousand:
Thousand:	Thousand:	Thousand:
Hundred:	Hundred:	Hundred:
Ten:	Ten:	Ten:

Your Turn

For the questions below, round each number to the specified degree of accuracy.

351,454 Round to the nearest…	160,165 Round to the nearest…	656,606 Round to the nearest…
Hundred thousand:	Hundred thousand:	Hundred thousand:
Ten thousand:	Ten thousand:	Ten thousand:
Thousand:	Thousand:	Thousand:
Hundred:	Hundred:	Hundred:
Ten:	Ten:	Ten:

9 Write numbers to 1000 in Roman numerals

Let's Learn

Write the numbers below in Roman numerals.				
124 =	249 =	305 =	494 =	509 =
590 =	634 =	799 =	850 =	981 =

Your Turn

Write the numbers below in Roman numerals.				
133 =	244 =	301 =	449 =	505 =
560 =	648 =	792 =	870 =	972 =

10 Read Roman numerals to 1000

Let's Learn

Write the numbers represented by Roman numerals below.				
CVII =	CCXXXVI =	CCXLIV =	CCCLXXVIII =	CCCXC =
CDIX =	CDLX =	DLXXI =	DCII =	DCXX =
DCCLXXVII =	DCCXCIX =	DCCCXXX =	CMLXI =	CMXCVI =

Your Turn

Write the numbers represented by Roman numerals below.				
CIV =	CCXXVIII =	CCCXLV =	CCCLXXXVI =	CCCXCIX =
CDIII =	CDXC =	DXLI =	DCIV =	DCXL =
DCLXVI =	DCCXCVII =	DCCCX =	CML =	CMLXXXIV =

1 Count on in hundreds from a six-digit number

Let's Learn

For the questions below, write the next seven numbers, counting in hundreds.

19566, 19666, 19766,							
199355, 199455, 199555,							

Your Turn

For the questions below, write the next seven numbers, counting in hundreds.

59308, 59408, 59508,							
299599, 299699, 299799,							

2 Add a multiple of 100 to a six-digit number

Let's Learn

Complete the questions below using mental methods.

8241 + 700 =	27553 + 800 =	289931 + 400 =	399555 + 700 =

Your Turn

Complete the questions below using mental methods.

6055 + 800 =	38850 + 500 =	469705 + 800 =	899411 + 600 =

3 Count on in thousands from a six-digit number

Let's Learn

For the questions below, write the next seven numbers, counting in thousands.

92522, 93522, 94522,							
792322, 793322, 794322,							

Your Turn

For the questions below, write the next seven numbers, counting in thousands.

93444, 94444, 95444,							
694400, 695400, 696400,							

4 Add a multiple of 1000 to a six-digit number

Let's Learn

Complete the questions below using mental methods.

14824 + 6000 =	94600 + 6000 =	383695 + 8000 =	299915 + 9000 =

Your Turn

Complete the questions below using mental methods.

25800 + 5000 =	97900 + 6000 =	585585 + 7000 =	399933 + 8000 =

5 Count on in steps of 10 000 from a six-digit number

Let's Learn

For the questions below, write the next seven numbers, counting in ten-thousands.

79500, 89500, 99500,							
465000, 475000, 485000,							

Your Turn

For the questions below, write the next seven numbers, counting in ten-thousands.

73300, 83300, 93300,							
678000, 688000, 698000,							

6 Add a multiple of 10 000 to a six-digit number

Let's Learn

Complete the questions below using mental methods.

65000 + 40000 =	395000 + 30000 =	284500 + 50000 =

Your Turn

Complete the questions below using mental methods.

77000 + 70000 =	675000 + 50000 =	464600 + 60000 =

7 Add a multiple of 100 000 to a six-digit number

Let's Learn

49500 + 300000 =	230000 + 700000 =	284500 + 200000 =

Your Turn

50000 + 500000 =	150000 + 600000 =	343400 + 400000 =

8 Add large numbers using column addition

Let's Learn

Complete the questions below using column addition.

9681 + 5562 =	95435 + 90988 =	833560 + 67650 =	572749 + 231758 =

Your Turn

Complete the questions below using column addition.

7873 + 7575 =	54967 + 50963 =	214892 + 88122 =	376857 + 192754 =

9 Solve missing digit addition problems

Let's Learn

Complete the addition questions below by finding the missing digits.

$\begin{array}{r} 8\,3\,\square\,7\,\square\,4 \\ +\quad 2\,6\,3\,5\,\square \\ \hline 8\,\square\,3\,\square\,3\,8 \end{array}$	$\begin{array}{r} 5\,7\,2\,7\,4\,\square \\ +\,\square\,3\,1\,\square\,5\,8 \\ \hline 8\,0\,\square\,5\,\square\,7 \end{array}$

Your Turn

Complete the addition questions below by finding the missing digits.

$\begin{array}{r} 6\,4\,\square\,5\,\square\,5 \\ +\quad 4\,3\,5\,6\,\square \\ \hline 6\,\square\,3\,\square\,0\,9 \end{array}$	$\begin{array}{r} 3\,4\,6\,6\,7\,\square \\ +\,\square\,9\,1\,\square\,7\,5 \\ \hline 7\,3\,\square\,3\,\square\,2 \end{array}$

10 Add to a negative number

Let's Learn

-2 + 5 =	-4 + 8 =	-3 + 9 =

Your Turn

-3 + 7 =	-2 + 8 =	-7 + 8 =

11 Complete number sequences involving negative numbers

Let's Learn

For the questions below, write the next seven numbers in the sequence.

-8, -6, -4, ☐ ☐ ☐ ☐ ☐ ☐ ☐

7, 5, 3, ☐ ☐ ☐ ☐ ☐ ☐ ☐

-11, -8, -5, ☐ ☐ ☐ ☐ ☐ ☐ ☐

Your Turn

For the questions below, write the next numbers in each sequence.

-11, -9, -7, ☐ ☐ ☐ ☐ ☐ ☐ ☐

8, 5, 2, ☐ ☐ ☐ ☐ ☐ ☐ ☐

-12, -9, -6, ☐ ☐ ☐ ☐ ☐ ☐

12 Add to a negative number with larger numbers

Let's Learn

-34 + 69 =	-3 + 83 =	- 89 + 52 =

Your Turn

-32 + 53 =	-7 + 67 =	- 84 + 22 =

1 Count back in hundreds from a six-digit number

Let's Learn

For the questions below, write the next seven numbers, counting back in hundreds.							
100640, 100540, 100440,							
244444, 244344, 244244,							

Your Turn

For the questions below, write the next seven numbers, counting back in hundreds.							
100533, 100433, 100333,							
234322, 234222, 234122,							

2 Subtract a multiple of 100 from a six-digit number

Let's Learn

Complete the questions below using mental methods.			
49882 – 500 =	10191 – 500 =	284529 – 800 =	100394 – 600 =

Your Turn

Complete the questions below using mental methods.			
22922 – 700 =	10395 – 500 =	313131 – 600 =	100522 – 600 =

3 Count back in thousands from a six-digit number

Let's Learn

For the questions below, write the next seven numbers, counting back in thousands.							
103555, 102555, 101555,							
355222, 354222, 353222,							

Your Turn

For the questions below, write the next seven numbers, counting back in thousands.							
104450, 103450, 102450,							
465333, 464333, 463333,							

4 Subtract a multiple of 1000 from a six-digit number

Let's Learn

Complete the questions below using mental methods.			
28284 – 2000 =	231932 – 5000 =	286745 – 8000 =	400400 – 4000 =

Your Turn

Complete the questions below using mental methods.			
39393 – 3000 =	451900 – 5000 =	275755 – 6000 =	300300 – 7000 =

5 Count back in steps of 10 000 from a six-digit number

Let's Learn

For the questions below, write the next seven numbers, counting back in ten-thousands.

135400, 125400, 115400,							
944005, 934005, 924005,							

Your Turn

For the questions below, write the next seven numbers, counting back in ten-thousands.

146600, 136600, 126600,							
835900, 825900, 815900,							

6 Subtract a multiple of 10 000 from a six-digit number

Let's Learn

Complete the questions below using mental methods.

186000 – 30000 =	224284 – 70000 =	369009 – 70000 =

Your Turn

Complete the questions below using mental methods.

199000 – 90000 =	343434 – 70000 =	646004 – 80000 =

7 Subtract a multiple of 100 000 from a six-digit number

Let's Learn

555000 – 500000 =	490000 – 300000 =	750000 – 500000 =

Your Turn

777000 – 700000 =	550000 – 300000 =	750000 – 200000 =

8 Solve missing number addition problems with six-digit numbers mentally

Let's Learn

Complete the questions below by finding the missing numbers.

56500 + ☐ = 61500	93300 + ☐ = 103300
290005 + ☐ = 590005	299850 + ☐ = 300350

Your Turn

Complete the questions below by finding the missing numbers.

59500 + ☐ = 62500	195500 + ☐ = 215500
330003 + ☐ = 630003	399770 + ☐ = 400470

9 Solve missing number subtraction problems with six-digit numbers mentally

Let's Learn

30450 – ☐ = 29650	310300 – ☐ = 210300
246700 – ☐ = 196700	677050 – ☐ = 669050

Your Turn

31450 – ☐ = 30950	550500 – ☐ = 50500
333300 – ☐ = 273300	602020 – ☐ = 599020

10 Subtract large numbers using column subtraction

Let's Learn

Complete the questions below using column subtraction.			
13442 – 5144 =	124485 – 29669 =	214489 – 47969 =	352063 – 147445 =

Your Turn

Complete the questions below using column subtraction.			
11711 – 2188 =	124242 – 44638 =	112269 – 86362 =	576191 – 267548 =

11 Exchange across zero to subtract large numbers using column subtraction

Let's Learn

10005 – 5245 =	166005 – 85936 =	404004 – 35488 =	392003 – 139549 =

Your Turn

10009 – 6525 =	123004 – 50018 =	706002 – 19538 =	645000 – 337457 =

12 Solve missing number problems for addition and subtraction with large numbers

Let's Learn

Complete the questions below by finding the missing numbers.	
☐ = 656571 + 203943	☐ + 58392 = 292020
654674 – ☐ = 536536	☐ – 147445 = 82910

Your Turn

Complete the questions below by finding the missing numbers.	
☐ = 474733 + 216793	☐ + 25546 = 164031
861790 – ☐ = 147277	☐ – 57923 = 368156

13 Solve missing digit subtraction problems

Let's Learn

Complete the subtraction questions below by finding the missing digits.	
1 1 4 0 ☐ 8 - ☐ 8 ☐ 1 ☐ 3 ☐ 1 4 0	☐ 8 ☐ 0 8 ☐ - 1 4 7 5 ☐ 7 7 ☐ 8 ☐ 3 6

Your Turn

Complete the subtraction questions below by finding the missing digits.	
1 3 6 2 ☐ 6 - ☐ 6 ☐ 1 ☐ 4 ☐ 5 5 1	☐ 8 ☐ 0 5 ☐ - 3 6 2 6 ☐ 2 2 ☐ 9 ☐ 0 9

14 Subtract to make a negative answer

Let's Learn

3 – 7 =	4 – 9 =	1 – 8 =

Your Turn

5 – 9 =	4 – 5 =	1 – 6 =

15 Subtract to make a negative answer with larger numbers

Let's Learn

26 – 72 =	5 – 85 =	89 – 91 =

Your Turn

39 – 85 =	8 – 89 =	58 – 64 =

1 Multiply 2, 3, 4 or 5-digit numbers by 10

Let's Learn

28 x 10 =	509 x 10 =	86054 x 10 =

Your Turn

33 x 10 =	580 x 10 =	83854 x 10 =

2 Multiply 2, 3 or 4 digit numbers by 100

Let's Learn

63 x 100 =	700 x 100 =	5008 x 100 =

Your Turn

54 x 100 =	606 x 100 =	4030 x 100 =

3 Multiply 2 or 3 digit numbers by 1000

Let's Learn

6 x 1000 =	79 x 1000 =	201 x 1000 =

Your Turn

9 x 1000 =	80 x 1000 =	421 x 1000 =

4 Solve missing number problems for multiplying by 10, 100 or 1000

Let's Learn

30 x ☐ = 30000	78 x ☐ = 7800	2050 x ☐ = 20500

Your Turn

50 x ☐ = 5000	446 x ☐ = 446000	250 x ☐ = 2500

5 Multiply a single-digit number by a multiple of 1000

Let's Learn

3 x 2000 =	6000 x 5 =	7 x 7000 =

Your Turn

2 x 3000 =	5000 x 9 =	8 x 8000 =

6 Multiply by a four-digit number using the grid method

Let's Learn

Answer the questions below using the grid method.	
5 x 5289 =	3 x 7441 =

Your Turn

Answer the questions below using the grid method.	
4 x 4769 =	8 x 4761 =

7 Multiply by a four-digit number using a written method

Let's Learn

Answer the questions below using the column method.		
3084 x 3 =	3516 x 5 =	9 x 1515 =

Your Turn

Answer the questions below using the column method.		
2086 x 4 =	5314 x 6 =	7 x 1716 =

8 Multiply two multiples of 10

Let's Learn

70 x 60 =	50 x 80 =	90 x 90 =

Your Turn

60 x 60 =	40 x 90 =	80 x 50 =

9 Multiply two two-digit numbers using the grid method

Let's Learn

Answer the questions below using the grid method.	
66 x 53 =	73 x 45 =

Your Turn

Answer the questions below using the grid method.	
58 x 47 =	85 x 33 =

10 Multiply two two-digit numbers using long multiplication

Let's Learn

Answer the questions below using the column method.			
71 x 46 =	81 x 37 =	54 x 23 =	53 x 56 =

Your Turn

Answer the questions below using the column method.			
61 x 51 =	73 x 27 =	73 x 25 =	44 x 58 =

11 Multiply a multiple of 100 by a multiple of 10

Let's Learn

700 x 60 =	500 x 80 =	900 x 90 =

Your Turn

800 x 60 =	500 x 20 =	800 x 80 =

12 Multiply a three-digit number by a two-digit number using the grid method

Let's Learn

Answer the questions below using the grid method.	
56 x 234 =	94 x 517 =

Your Turn

Answer the questions below using the grid method.	
65 x 229 =	93 x 428 =

13 Multiply a three-digit number by a two-digit number using long multiplication

Let's Learn

Answer the questions below using the column method.		
694 x 34 =	785 x 23 =	678 x 54 =

Your Turn

Answer the questions below using the column method.		
418 x 46 =	836 x 27 =	569 x 63 =

14 Multiply a four-digit number by a two-digit number using long multiplication

Let's Learn

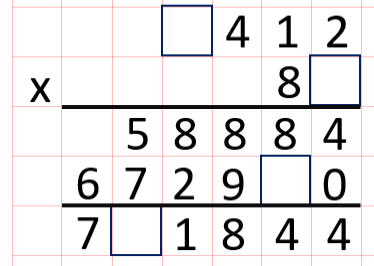
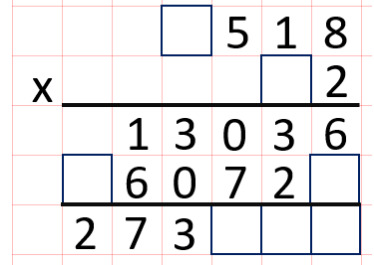
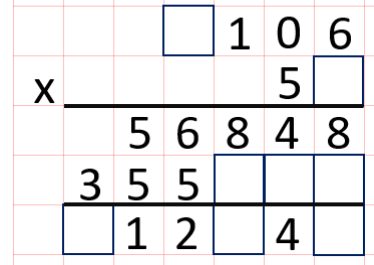
3862 x 34 =	4781 x 23 =	5967 x 61 =

Your Turn

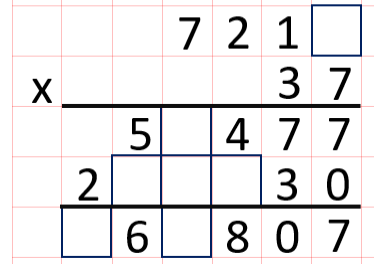
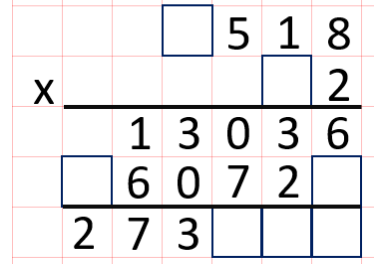
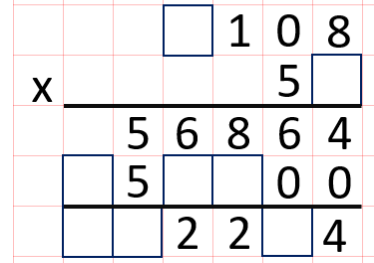
3468 x 62 =	5413 x 86 =	7312 x 97 =

15 Solve multiplication problems with missing digits

Let's Learn

Your Turn

16 Multiply two multiples of 100

Let's Learn

800 x 600 =	500 x 900 =	700 x 700 =

Your Turn

900 x 300 =	500 x 400 =	900 x 900 =

1 Divide 3, 4, 5 and 6 digit multiples of 10 by 10

Let's Learn

240 ÷ 10 =	4500 ÷ 10 =	607060 ÷ 10 =

Your Turn

320 ÷ 10 =	4050 ÷ 10 =	555500 ÷ 10 =

2 Divide a 4, 5 or 6 digit multiple of 100 by 100

Let's Learn

4300 ÷ 100 =	12300 ÷ 100 =	450000 ÷ 100 =

Your Turn

5600 ÷ 100 =	15000 ÷ 100 =	430300 ÷ 100 =

3 Divide 5 or 6 digit multiples of 1000 by 1000

Let's Learn

3000 ÷ 1000 =	50000 ÷ 1000 =	802000 ÷ 1000 =

Your Turn

7000 ÷ 1000 =	55000 ÷ 1000 =	290000 ÷ 1000 =

4 Solve missing number problems for dividing multiples of 10, 100 and 1000 by 10, 100 or 1000

Let's Learn

4000 ÷ ☐ = 400	52000 ÷ ☐ = 52	830000 ÷ ☐ = 8300

Your Turn

40000 ÷ ☐ = 40	50200 ÷ ☐ = 502	525000 ÷ ☐ = 52500

5 Divide using short division

Let's Learn

5862 ÷ 3 =	5184 ÷ 6 =	9863 ÷ 7 =

Your Turn

9764 ÷ 4 =	7088 ÷ 8 =	9765 ÷ 9 =

6 Divide using short division with remainders

Let's Learn

5862 ÷ 5 =	4989 ÷ 9 =	8861 ÷ 6 =

Your Turn

5481 ÷ 5 =	4181 ÷ 7 =	9651 ÷ 8 =

7 Solve division problems with missing digits

Let's Learn

1 7 5 ☐ 3 ☐ 2 ☐ 6	6 ☐ 3 5 ☐ 2 6 ☐	2 ☐ 0 6 4 9 2 ☐ ☐

Your Turn

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

8 Divide a multiple of 10 by a multiple of 10

Let's Learn

420 ÷ 70 =	360 ÷ 60 =	720 ÷ 90 =

Your Turn

400 ÷ 80 =	490 ÷ 70 =	720 ÷ 60 =

9 Divide a multiple of 100 by a multiple of 10

Let's Learn

600 ÷ 20 =	3500 ÷ 50 =	2700 ÷ 30 =

Your Turn

900 ÷ 30 =	3500 ÷ 70 =	2400 ÷ 80 =

10 Divide a multiple of 100 by a multiple of 100

Let's Learn

600 ÷ 200 =	3500 ÷ 500 =	2700 ÷ 300 =

Your Turn

200 ÷ 200 =	3300 ÷ 300 =	6300 ÷ 700 =

11 Solve missing number multiplication problems using knowledge of multiples of 10 and 100

Let's Learn

7 x ☐ = 2800	☐ = 9 x 800	☐ x 90 = 450
☐ x 7 = 630	☐ x 300 = 1500	☐ = 6 x 50
200 x ☐ = 140 000	☐ x 800 = 24 000	
40 x ☐ = 1200	☐ x 50 = 25 000	

Your Turn

☐ x 6 = 420	☐ x 300 = 2700	☐ = 8 x 50
☐ x 90 = 450	6 x ☐ = 1800	☐ = 8 x 800
40 x ☐ = 1600	☐ x 70 = 28 000	
300 x ☐ = 180 000	☐ x 800 = 32 000	

12 Solve missing number division problems using knowledge of multiples of 10 and 100

Let's Learn

3600 ÷ ☐ = 6	☐ ÷ 8 = 70	☐ ÷ 5 = 600
720 ÷ ☐ = 8	☐ ÷ 800 = 7	☐ ÷ 40 = 8
350 000 ÷ ☐ = 700	☐ ÷ 200 = 90	☐ ÷ 700 = 700
64 000 ÷ ☐ = 800	☐ ÷ 60 = 20	2400 ÷ ☐ = 60

Your Turn

☐ ÷ 8 = 900	4200 ÷ ☐ = 7	490 ÷ ☐ = 7
☐ ÷ 5 = 300	☐ ÷ 50 = 8	☐ ÷ 700 = 8
☐ ÷ 300 = 40	☐ ÷ 500 = 500	280 000 ÷ ☐ = 700
☐ ÷ 60 = 80	72 000 ÷ ☐ = 800	2100 ÷ ☐ = 70

1 Identify multiples

Let's Learn

Answer true or false for each statement below.	
48 is a multiple of 3	250 is a multiple of 100
365 is a multiple of 9	104 is a multiple of 8

Your Turn

Answer true or false for each statement below.	
96 is a multiple of 4	1400 is a multiple of 100
357 is a multiple of 7	416 is a multiple of 9

2 Find multiples and the lowest common multiple of two numbers

Let's Learn

Answer true or false for each statement below.		
48 is a common multiple of 3 and 8.	104 is a common multiple of 8 and 9.	24 is a common multiple of 6 and 7.
24 is the lowest common multiple of 4 and 6.	36 is the lowest common multiple of 6 and 9.	

Your Turn

Answer true or false for each statement below.		
56 is a common multiple of 2 and 7.	108 is a common multiple of 3 and 12.	27 is a common multiple of 3 and 6.
56 is the lowest common multiple of 7 and 8.	12 is the lowest common multiple of 4 and 6.	

3 Identify factor pairs

Let's Learn

Write all the factors of each number below.		
12	16	20

Your Turn

Write all the factors of each number below.		
15	25	22

4 Find common factors and the highest common factor of two numbers

Let's Learn

Write all the common factors of each pair of numbers below.		
6 and 9	14 and 35	27 and 36

Your Turn

Write all the common factors of each pair of numbers below.		
4 and 8	22 and 33	21 and 56

5 Use factor pairs in mental calculations for multiplication

Let's Learn

Use factor pairs to solve the multiplication questions below.		
37 x 18 =	21 x 21 =	52 x 32 =

Your Turn

Use factor pairs to solve the multiplication questions below.		
17 x 16 =	23 x 21 =	72 x 36 =

6 Identify prime numbers and composite numbers

Let's Learn

Identify each of the numbers below as prime or composite.		
171	911	427

Your Turn

Identify each of the numbers below as prime or composite.		
267	701	941

7 Find prime factors

Let's Learn

Identify the prime factors of each of the numbers below.		
70	75	100

Your Turn

Identify the prime factors of each of the numbers below.		
12	30	90

8 Identify square numbers

Let's Learn

$7^2 + 4^2 =$	$10^2 - 3^2 =$	$8^2 - 4^2 =$

Your Turn

$8^2 + 5^2 =$	$10^2 - 5^2 =$	$7^2 - 6^2 =$

9 Find square numbers by squaring multiples of 10 or 100

Let's Learn

$50^2 =$	$90^2 =$	$300^2 =$	$700^2 =$
$\square^2 = 81$	$\square^2 = 400$	$\square^2 = 160\,000$	$\square^2 = 640\,000$

Your Turn

$40^2 =$	$80^2 =$	$200^2 =$	$500^2 =$
$\square^2 = 49$	$\square^2 = 900$	$\square^2 = 360\,000$	$\square^2 = 490\,000$

10 Identify cube numbers

Let's Learn

$2^3 =$	$3^3 =$	$4^3 =$	$5^3 =$

11 Find cube numbers using multiplication

Let's Learn

$6^3 =$	$7^3 =$	$8^3 =$	$9^3 =$

1 Convert mixed numbers to improper fractions

Let's Learn

Convert each mixed number to an improper fraction.		
$1\frac{1}{5}$ =	$2\frac{5}{6}$ =	$3\frac{5}{8}$ =

Your Turn

Convert each mixed number to an improper fraction.		
$1\frac{1}{3}$ =	$2\frac{3}{5}$ =	$4\frac{3}{4}$ =

2 Convert improper fractions to mixed numbers

Let's Learn

Convert each improper fraction to a mixed number.		
$\frac{8}{5}$ =	$\frac{11}{3}$ =	$\frac{21}{8}$ =

Your Turn

Convert each improper fraction to a mixed number.		
$\frac{7}{4}$ =	$\frac{14}{5}$ =	$\frac{22}{7}$ =

3 Add fractions with the same denominator beyond 1 whole, writing the answer as a mixed number

Let's Learn

$\frac{4}{5}+\frac{2}{5}$ =	$\frac{3}{4}+\frac{3}{4}$ =	$\frac{7}{8}+\frac{5}{8}$ =	$\frac{2}{6}+\frac{5}{6}$ =

Your Turn

$\frac{5}{6}+\frac{2}{6}$ =	$\frac{4}{5}+\frac{4}{5}$ =	$\frac{6}{7}+\frac{5}{7}$ =	$\frac{4}{8}+\frac{5}{8}$ =

4 Subtract a fraction from an improper fraction or mixed number with the same denominator and with 1 whole

Let's Learn

$1\frac{3}{5}-\frac{4}{5}$ =	$1\frac{2}{7}-\frac{5}{7}$ =	$1\frac{1}{4}-\frac{3}{4}$ =	$1\frac{1}{3}-\frac{2}{3}$ =

Your Turn

$1\frac{2}{7}-\frac{4}{7}$ =	$1\frac{1}{5}-\frac{2}{5}$ =	$1\frac{1}{8}-\frac{3}{8}$ =	$1\frac{2}{6}-\frac{5}{6}$ =

5 Solve missing number problems for addition and subtraction of fractions with the same denominator beyond 1

Let's Learn

$1\frac{1}{5}-\square=\frac{2}{5}$	$\square-\frac{3}{7}=\frac{5}{7}$	$\square+\frac{5}{6}=1\frac{3}{6}$

Your Turn

$1\frac{1}{3}-\square=\frac{2}{3}$	$\square-\frac{3}{4}=\frac{2}{4}$	$\square+\frac{4}{9}=1\frac{2}{9}$

6 Add a fraction to a whole number and subtract a fraction from a whole number

Let's Learn

$3+\frac{3}{7}$ =	$1-\frac{1}{4}$ =	$1-\frac{2}{5}$ =
$4-\frac{7}{8}$ =	$4-\frac{1}{4}$ =	$3-\frac{2}{5}$ =

Your Turn

$5+\frac{2}{3}$ =	$1-\frac{1}{5}$ =	$1-\frac{5}{7}$ =
$3-\frac{5}{6}$ =	$3-\frac{1}{5}$ =	$5-\frac{5}{7}$ =

7 Add a fraction to a mixed number with the same denominator, without regrouping

Let's Learn

$1\frac{3}{10} + \frac{4}{10} =$	$2\frac{2}{5} + \frac{2}{5} =$	$1\frac{3}{8} + \frac{4}{8} =$

Your Turn

$1\frac{5}{12} + \frac{6}{12} =$	$2\frac{2}{4} + \frac{1}{4} =$	$2\frac{1}{7} + \frac{4}{7} =$

8 Add a fraction to a mixed number with the same denominator, regrouping to make 1 more whole

Let's Learn

Answer the questions below by regrouping to make 1 more whole.

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

Your Turn

Answer the questions below by regrouping to make 1 more whole.

$2\frac{2}{5} + \frac{3}{5} =$	$2\frac{3}{4} + \frac{2}{4} =$	$1\frac{3}{6} + \frac{5}{6} =$

9 Add a fraction to a mixed number with the same denominator by converting to an improper fraction

Let's Learn

Now answer the questions above by converting mixed numbers to improper fractions.

Your Turn

Now answer the questions above by converting mixed numbers to improper fractions.

10 Add mixed numbers with the same denominator, without regrouping

Let's Learn

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

Your Turn

$3\frac{1}{3} + 2\frac{1}{3} =$	$2\frac{4}{9} + 1\frac{1}{9} =$

11 Add mixed numbers with the same denominator, regrouping to make 1 more whole

Let's Learn

Answer the questions below by regrouping to make 1 more whole.

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

Your Turn

Answer the questions below by regrouping to make 1 more whole.

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

12 Add mixed numbers with the same denominator by converting to improper fractions

Let's Learn

Now answer the questions above by converting mixed numbers to improper fractions.

Your Turn

Now answer the questions above by converting mixed numbers to improper fractions.

13 Subtract a fraction from a mixed number with the same denominator, without regrouping

Let's Learn

$1\frac{9}{10} - \frac{4}{10} =$	$2\frac{4}{5} - \frac{3}{5} =$	$1\frac{5}{8} - \frac{3}{8} =$

Your Turn

$1\frac{11}{12} - \frac{9}{12} =$	$3\frac{2}{5} - \frac{1}{5} =$	$1\frac{6}{7} - \frac{3}{7} =$

14 Subtract a fraction from a mixed number with the same denominator, regrouping to make 1 fewer whole

Let's Learn

Answer the questions below by regrouping to make 1 fewer whole.

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

Your Turn

Answer the questions below by regrouping to make 1 fewer whole.

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

15 Subtract a fraction from a mixed number with the same denominator by converting to an improper fraction

Let's Learn

Now answer the questions above by converting mixed numbers to improper fractions.

Your Turn

Now answer the questions above by converting mixed numbers to improper fractions.

16 Subtract mixed numbers with the same denominator, without regrouping

Let's Learn

$2\frac{3}{5} - 1\frac{1}{5} =$	$3\frac{5}{7} - 2\frac{2}{7} =$

Your Turn

$3\frac{5}{8} - 1\frac{1}{8} =$	$2\frac{5}{6} - 1\frac{1}{6} =$

17 Subtract mixed numbers with the same denominator, regrouping to make 1 fewer whole

Let's Learn

Answer the questions below by regrouping to make 1 fewer whole.

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

Your Turn

Answer the questions below by regrouping to make 1 fewer whole.

$2\frac{1}{8} - 1\frac{7}{8} =$	$3\frac{2}{5} - 1\frac{4}{5} =$

18 Subtract mixed numbers with the same denominator by converting to improper fractions

Let's Learn

Now answer the questions above by converting mixed numbers to improper fractions.

Your Turn

Now answer the questions above by converting mixed numbers to improper fractions.

19 Find equivalent improper fractions

Let's Learn

$\frac{5}{3} = \frac{\square}{9}$	$\frac{11}{5} = \frac{\square}{10}$	$\frac{20}{12} = \frac{\square}{3}$

Your Turn

$\frac{5}{2} = \frac{\square}{8}$	$\frac{11}{7} = \frac{\square}{14}$	$\frac{21}{12} = \frac{\square}{4}$

20 Compare fractions with denominators as common multiples

Let's Learn

Write < or >.

$\frac{3}{4} \square \frac{7}{8}$	$\frac{11}{15} \square \frac{3}{5}$	$\frac{2}{3} \square \frac{7}{12}$

Your Turn

Write < or >.

$\frac{1}{3} \square \frac{2}{9}$	$\frac{13}{21} \square \frac{5}{7}$	$\frac{5}{8} \square \frac{17}{24}$

21 Compare improper fractions with denominators as common multiples

Let's Learn

Write < or >.

$\frac{5}{4} \square \frac{9}{8}$	$\frac{4}{3} \square \frac{17}{12}$

Your Turn

Write < or >.

$\frac{7}{4} \square \frac{20}{12}$	$\frac{29}{15} \square \frac{5}{3}$

22 Order fractions with denominators as common multiples

Let's Learn

Order these fractions from smallest to largest.

$\frac{7}{10}, \frac{3}{5}, \frac{13}{20}, \frac{3}{4}$ ☐ ☐ ☐ ☐

Your Turn

Order these fractions from smallest to largest.

$\frac{13}{24}, \frac{7}{12}, \frac{3}{8}, \frac{5}{6}$ ☐ ☐ ☐ ☐

23 Add fractions with denominators as common multiples within 1

Let's Learn

$\frac{3}{4} + \frac{1}{8} =$	$\frac{2}{5} + \frac{2}{15} =$	$\frac{7}{12} + \frac{1}{4} =$

Your Turn

$\frac{2}{3} + \frac{1}{9} =$	$\frac{3}{5} + \frac{7}{25} =$	$\frac{8}{27} + \frac{1}{9} =$

24 Subtract fractions with denominators as common multiples within 1

Let's Learn

$\frac{3}{4} - \frac{3}{8} =$	$\frac{4}{5} - \frac{3}{20} =$	$\frac{11}{12} - \frac{1}{4} =$

Your Turn

$\frac{1}{2} - \frac{1}{8} =$	$\frac{3}{4} - \frac{5}{28} =$	$\frac{17}{18} - \frac{2}{3} =$

25 Solve missing number problems for addition and subtraction of fractions with denominators as common multiples within 1

Let's Learn

$\frac{3}{5} + \square = \frac{9}{10}$	$\frac{3}{4} - \square = \frac{1}{8}$	$\square - \frac{2}{9} = \frac{2}{3}$

Your Turn

$\frac{5}{6} + \square = \frac{11}{12}$	$\frac{2}{3} - \square = \frac{4}{9}$	$\square - \frac{5}{8} = \frac{1}{4}$

26 Add fractions with denominators as common multiples beyond 1 whole, writing answers as mixed numbers

Let's Learn

$\frac{4}{5} + \frac{3}{10} =$	$\frac{5}{12} + \frac{3}{4} =$

Your Turn

$\frac{4}{5} + \frac{4}{15} =$	$\frac{9}{21} + \frac{6}{7} =$

27 Subtract a fraction from an improper fraction or mixed number with denominators as common multiples and with 1 whole

Let's Learn

$1\frac{1}{2} - \frac{7}{10} =$	$1\frac{1}{3} - \frac{5}{6} =$	$1\frac{1}{8} - \frac{1}{4} =$

Your Turn

$1\frac{1}{2} - \frac{7}{12} =$	$1\frac{2}{3} - \frac{8}{9} =$	$1\frac{1}{8} - \frac{3}{4} =$

28 Solve missing number problems for addition and subtraction of fractions with denominators as common multiples beyond 1

Let's Learn

$1\frac{1}{6} - \square = \frac{2}{3}$	$\square - \frac{3}{4} = \frac{5}{8}$	$\square + \frac{5}{6} = 1\frac{1}{2}$

Your Turn

$1\frac{1}{8} - \square = \frac{1}{4}$	$\square - \frac{2}{3} = \frac{5}{9}$	$\square + \frac{3}{4} = 1\frac{1}{2}$

29 Add a fraction to a mixed number with denominators as common multiples, without regrouping

Let's Learn

$1\frac{3}{5} + \frac{3}{10} =$	$2\frac{2}{3} + \frac{1}{9} =$	$1\frac{3}{8} + \frac{1}{2} =$

Your Turn

$1\frac{1}{3} + \frac{7}{15} =$	$2\frac{1}{2} + \frac{1}{6} =$	$1\frac{2}{9} + \frac{1}{3} =$

30 Add a fraction to a mixed number with denominators as common multiples, regrouping to make 1 more whole

Let's Learn

Answer the questions below by regrouping to make 1 more whole.

$1\frac{4}{5} + \frac{7}{10} =$	$2\frac{7}{8} + \frac{1}{2} =$

Your Turn

Answer the questions below by regrouping to make 1 more whole.

$1\frac{2}{3} + \frac{7}{15} =$	$2\frac{5}{8} + \frac{3}{4} =$

31 Add a fraction to a mixed number with denominators as common multiples by converting to an improper fraction

Let's Learn

Now answer the questions above by converting mixed numbers to improper fractions.

Your Turn

Now answer the questions above by converting mixed numbers to improper fractions.

32 Add mixed numbers with denominators as common multiples, without regrouping

Let's Learn

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

Your Turn

$2\frac{1}{9} + 1\frac{2}{3} =$	$2\frac{1}{2} + 2\frac{1}{6} =$

33 Add mixed numbers with denominators as common multiples, regrouping to make 1 more whole

Let's Learn

Answer the questions below by regrouping to make 1 more whole.

$2\frac{3}{4} + 2\frac{7}{12} =$	$2\frac{9}{10} + 1\frac{1}{2} =$

Your Turn

Answer the questions below by regrouping to make 1 more whole.

$2\frac{5}{6} + 2\frac{7}{18} =$	$2\frac{11}{12} + 1\frac{2}{3} =$

34 Add mixed numbers with denominators as common multiples by converting to improper fractions

Let's Learn

Now answer the questions above by converting mixed numbers to improper fractions.

Your Turn

Now answer the questions above by converting mixed numbers to improper fractions.

35 Subtract a fraction from a mixed number with denominators as common multiples, without regrouping

Let's Learn

$1\frac{4}{5} - \frac{7}{10} =$	$2\frac{1}{3} - \frac{1}{12} =$	$1\frac{5}{6} - \frac{1}{2} =$

Your Turn

$1\frac{3}{4} - \frac{5}{12} =$	$2\frac{2}{3} - \frac{4}{15} =$	$1\frac{7}{8} - \frac{1}{4} =$

36 Subtract a fraction from a mixed number with denominators as common multiples, regrouping to make 1 fewer whole

Let's Learn

Answer the questions below by regrouping to make 1 fewer whole.

$2\frac{1}{5} - \frac{7}{15} =$	$2\frac{3}{8} - \frac{1}{2} =$

Your Turn

Answer the questions below by regrouping to make 1 fewer whole.

$2\frac{1}{2} - \frac{9}{14} =$	$3\frac{1}{6} - \frac{1}{2} =$

37 Subtract a fraction from a mixed number with denominators as common multiples by converting to improper fractions

Let's Learn

Now answer the questions above by converting mixed numbers to improper fractions.

Your Turn

Now answer the questions above by converting mixed numbers to improper fractions.

38 Subtract mixed numbers with denominators as common multiples, without regrouping

Let's Learn

$3\frac{5}{6} - 1\frac{2}{3} =$	$2\frac{1}{2} - 1\frac{1}{8} =$

Your Turn

$2\frac{5}{9} - 1\frac{1}{3} =$	$3\frac{1}{2} - 1\frac{1}{4} =$

39 Subtract mixed numbers with denominators as common multiples, regrouping to make 1 fewer whole

Let's Learn

Answer the questions below by regrouping to make 1 fewer whole.

$2\frac{1}{4} - 1\frac{11}{12} =$	$3\frac{3}{10} - 1\frac{1}{2} =$

Your Turn

Answer the questions below by regrouping to make 1 fewer whole.

$2\frac{1}{3} - 1\frac{7}{12} =$	$4\frac{1}{10} - 1\frac{1}{5} =$

40 Subtract mixed numbers with denominators as common multiples by converting to improper fractions

Let's Learn

Now answer the questions above by converting mixed numbers to improper fractions.

Your Turn

Now answer the questions above by converting mixed numbers to improper fractions.

41 Express a remainder as a fraction

Let's Learn

For each question below, write the remainder as a fraction.

$10 \div 3 =$	$10 \div 4 =$	$709 \div 5 =$	$709 \div 6 =$

Your Turn

For each question below, write the remainder as a fraction.

$13 \div 3 =$	$15 \div 4 =$	$802 \div 5 =$	$716 \div 7 =$

42 Find a unit fraction of a number, writing the remainder as a fraction

Let's Learn

For each question below, write the answer as a mixed number.

$\frac{1}{5}$ of 13 =	$\frac{1}{4}$ of 17 =	$\frac{1}{5}$ of 22 =

Your Turn

For each question below, write the answer as a mixed number.

$\frac{1}{3}$ of 11 =	$\frac{1}{5}$ of 17 =	$\frac{1}{7}$ of 22 =

43 Find a non-unit fraction of a number, writing the answer as a mixed number

Let's Learn

For each question below, write the answer as a mixed number.

$\frac{3}{4}$ of 21 =	$\frac{2}{5}$ of 23 =	$\frac{2}{3}$ of 17 =

Your Turn

For each question below, write the answer as a mixed number.

$\frac{7}{8}$ of 11 =	$\frac{3}{4}$ of 23 =	$\frac{3}{5}$ of 17 =

44 Multiply a fraction by a whole number

Let's Learn

$\frac{3}{4}$ x 5 =	$\frac{2}{3}$ x 6 =

Your Turn

$\frac{5}{6}$ x 5 =	$\frac{3}{4}$ x 7 =

45 Multiply a mixed number by a whole number by partitioning

Let's Learn

Complete the questions below by partitioning whole numbers and fractions.	
$2\frac{3}{4}$ x 3 =	$2\frac{1}{4}$ x 6 =
$1\frac{1}{3}$ x 60 =	13 x $1\frac{1}{2}$ =

Your Turn

Complete the questions below by partitioning whole numbers and fractions.	
$3\frac{4}{5}$ x 4 =	$2\frac{2}{3}$ x 7 =
$1\frac{1}{4}$ x 40 =	25 x $1\frac{1}{2}$ =

46 Multiply a mixed number by a whole number using improper fractions

Let's Learn

Now complete the questions above by converting each mixed number to an improper fraction.

Your Turn

Now complete the questions above by converting each mixed number to an improper fraction.

1 Write unit fractions as decimals

Let's Learn

Write each fraction as a decimal			
$\frac{1}{2}$ =	$\frac{1}{4}$ =	$\frac{1}{5}$ =	$\frac{1}{50}$ =

2 Write non-unit fractions as decimals

Let's Learn

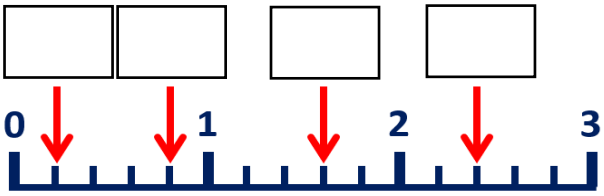
Write each fraction as a decimal			
$\frac{3}{5}$ =	$\frac{3}{4}$ =	$\frac{4}{25}$ =	$\frac{12}{50}$ =

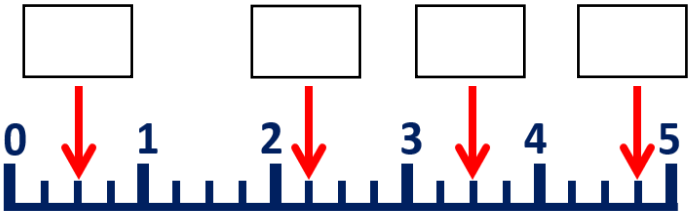
Your Turn

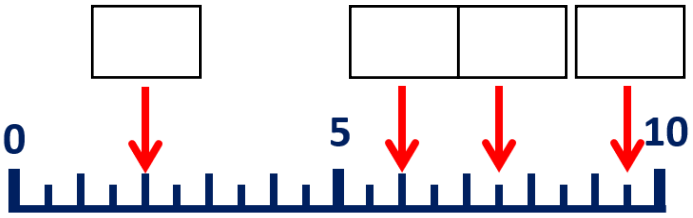
Write each fraction as a decimal			
$\frac{4}{5}$ =	$\frac{2}{4}$ =	$\frac{7}{25}$ =	$\frac{9}{50}$ =

3 Locate decimals on fractional number lines

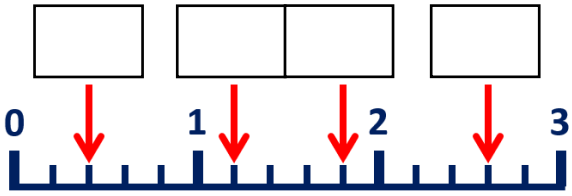
Let's Learn

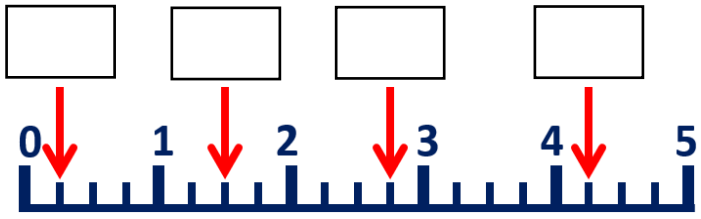


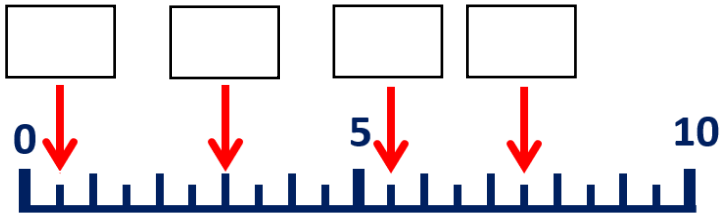




Your Turn







4 Recognise tenths, hundredths and thousandths

Let's Learn

Look at this number: 294.35		Look at this number: 813.465	
Write the digit in the **tens** place.		Write the digit in the **hundredths** place.	
Write the digit in the **tenths** place.		Write the digit in the **hundreds** place.	
Write the **value** of the digit 5.		Write the **value** of the digit 5.	

Your Turn

Look at this number: 394.512		Look at this number: 1432.587	
Write the digit in the **ones** place.		Write the digit in the **tenths** place.	
Write the digit in the **thousandths** place.		Write the digit in the **thousands** place.	
Write the **value** of the digit 9.		Write the **value** of the digit 8.	

5 Convert decimal tenths, hundredths and thousandths to fractions

Let's Learn

Write these decimals as fractions.					
0.9 =	0.09 =	0.009 =	0.89 =	0.089 =	0.389 =

Your Turn

Write these decimals as fractions.					
0.7 =	0.07 =	0.007 =	0.45 =	0.045 =	0.456 =

6 Convert fractional tenths, hundredths and thousandths to decimals

Let's Learn

Write these fractions as decimals.					
$\frac{3}{10}$ =	$\frac{3}{100}$ =	$\frac{3}{1000}$ =	$\frac{54}{100}$ =	$\frac{54}{1000}$ =	$\frac{543}{1000}$ =

Your Turn

Write these fractions as decimals.					
$\frac{4}{10}$ =	$\frac{4}{100}$ =	$\frac{4}{1000}$ =	$\frac{76}{100}$ =	$\frac{76}{1000}$ =	$\frac{176}{1000}$ =

7 Recognise equivalent fractions with tenths, hundredths and thousandths

Let's Learn

Write the equivalent number of tenths and hundredths and in decimal form.	
$\frac{700}{1000} = \frac{\square}{100} = \frac{\square}{10} = \square$	$\frac{70}{1000} = \frac{\square}{100} = \square$

Your Turn

Write the equivalent number of tenths and hundredths and in decimal form.	
$\frac{300}{1000} = \frac{\square}{100} = \frac{\square}{10} = \square$	$\frac{30}{1000} = \frac{\square}{100} = \square$

8 Partition numbers with up to three decimal places

Let's Learn

Partition each decimal into tenths, hundredths and thousandths.	
0.158 =	0.629 =

Your Turn

Partition each decimal into tenths, hundredths and thousandths.	
0.629 =	0.801 =

9 Convert decimals to mixed numbers

Let's Learn

Write these decimals as mixed numbers.		
5.4 =	5.04 =	5.004 =
6.24 =	7.024 =	7.124 =

Your Turn

Write these decimals as mixed numbers.		
2.2 =	2.02 =	2.002 =
5.55 =	5.055 =	5.555 =

10 Convert mixed numbers to decimals

Let's Learn

Write these mixed numbers as decimals.		
$1\frac{2}{10}$ =	$1\frac{2}{100}$ =	$1\frac{2}{1000}$ =
$4\frac{32}{100}$ =	$5\frac{32}{1000}$ =	$6\frac{321}{1000}$ =

Your Turn

Write these mixed numbers as decimals.		
$1\frac{5}{10}$ =	$1\frac{5}{100}$ =	$1\frac{5}{1000}$ =
$4\frac{30}{100}$ =	$4\frac{30}{1000}$ =	$4\frac{300}{1000}$ =

11 Understand zeros as placeholders in decimals

Let's Learn

Write each number.	
3 tens and 3 hundredths =	3 thousands, 3 tens, 3 tenths and 3 thousandths =

Your Turn

Write each number.	
4 tens and 4 hundredths =	4 thousands, 4 tens, 4 tenths and 4 thousandths =

12 Count on in thousandths

Let's Learn

For the questions below, write the next seven numbers, counting in thousandths.							
0.623, 0.624, 0.625,							
0.795, 0.796, 0.797,							
2.593, 2.594, 2.595,							
1.995, 1.996, 1.997,							

Your Turn

For the questions below, write the next seven numbers, counting in thousandths.							
0.504, 0.505, 0.506,							
0.893, 0.894, 0.895,							
1.293, 1.294, 1.295,							
0.995, 0.996, 0.997,							

13 Count back in thousandths

Let's Learn

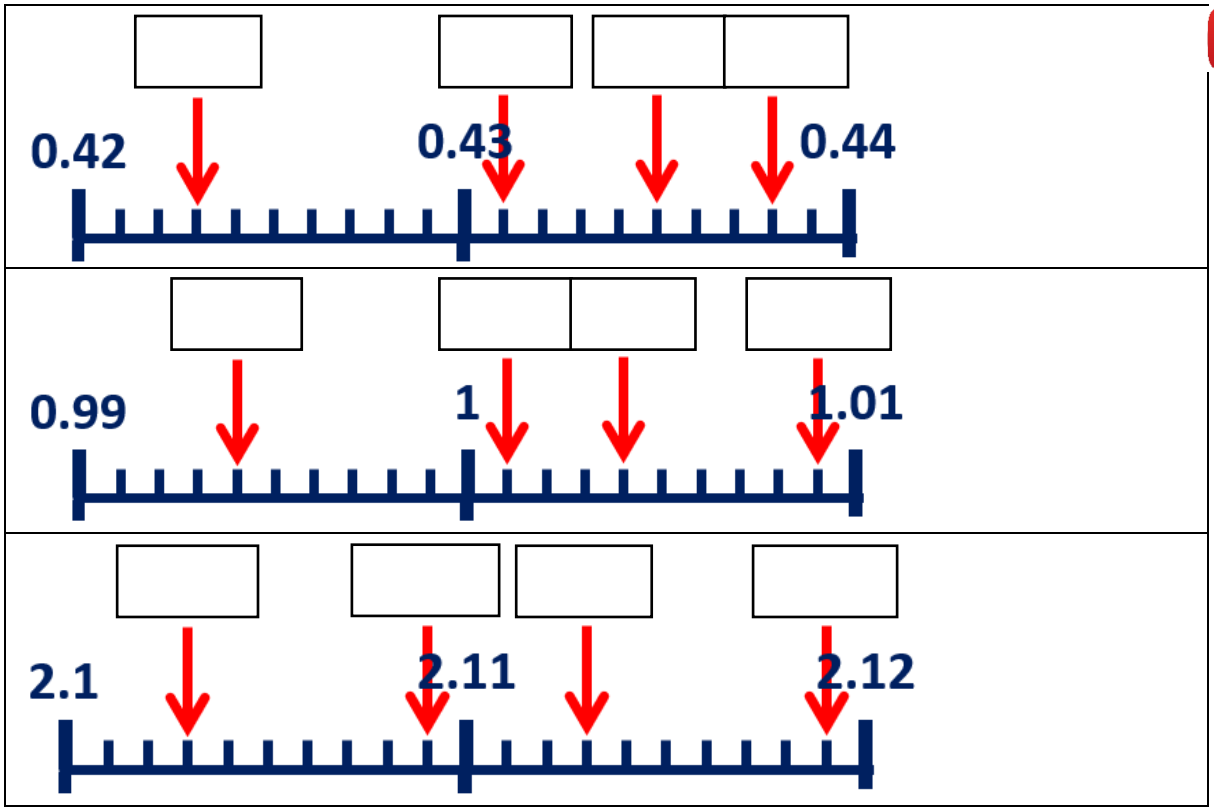
For the questions below, write the next seven numbers, counting in thousandths.							
0.537, 0.536, 0.535,							
0.905, 0.904, 0.903,							
3.507, 3.506, 3.505,							
1.005, 1.004, 1.003,							

Your Turn

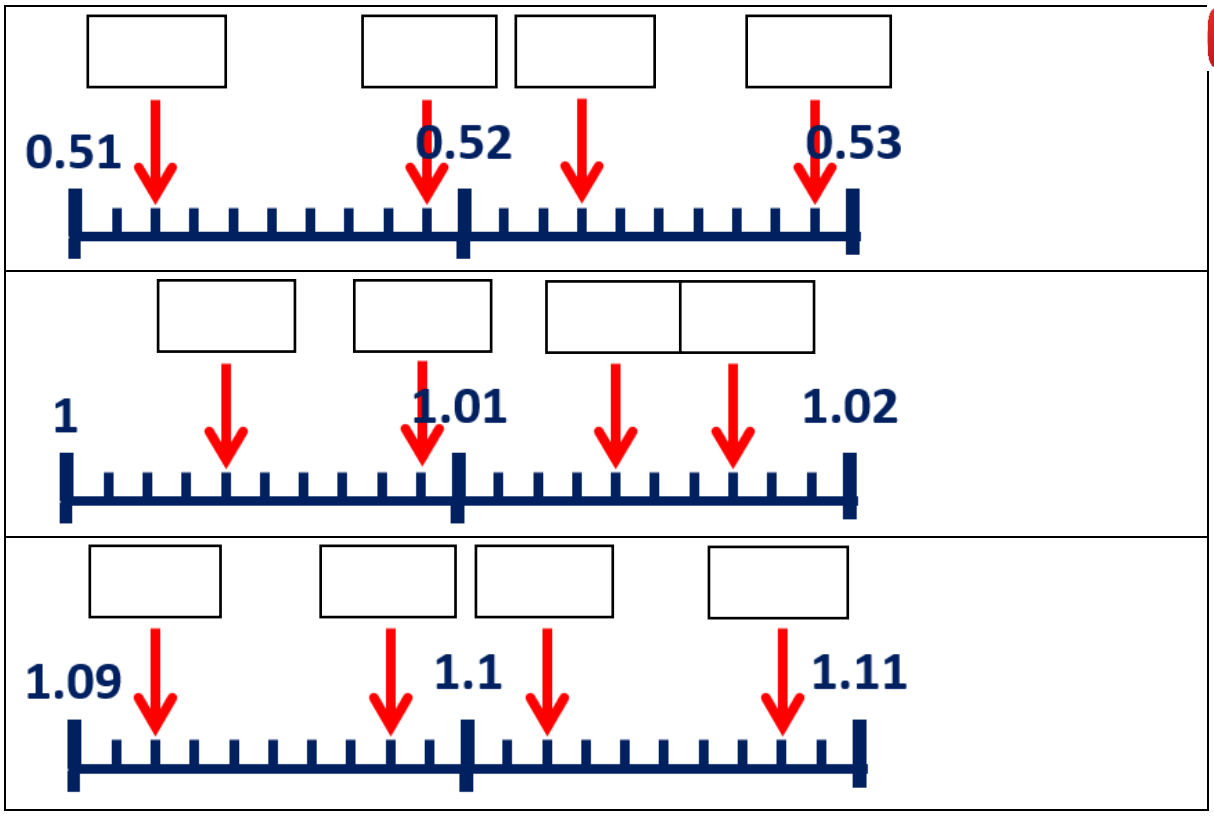
For the questions below, write the next seven numbers, counting in thousandths.							
0.616, 0.615, 0.614,							
0.107, 0.106, 0.105,							
1.627, 1.626, 1.625,							
3.004, 3.003, 3.002,							

14 Locate thousandths on a number line

Let's Learn



Your Turn



15 Compare numbers with up to three decimal places

Let's Learn

Write > or < in each box.			
5.298 ☐ 5.289	34.2 ☐ 30.993	1.405 ☐ 1.44	2.9 ☐ 2.099

Your Turn

Write > or < in each box.			
0.362 ☐ 0.236	1.292 ☐ 30.9	0.605 ☐ 0.65	3.099 ☐ 3.8

16 Order decimals

Let's Learn

Order each set of numbers from smallest to largest.

0.34 0.3 0.403 0.344 0.43

4 3.94 4.03 4.004 3.499

Your Turn

Order each set of numbers from smallest to largest.

0.5 0.505 0.055 0.05 0.55

4.4 4.34 4.034 4.04 4.434

17 Add numbers with up to three decimal places

Let's Learn

5.87 + 3.123 =	19.36 + 35.816 =	5.871 + 3.2 =

Your Turn

3.8 + 2.155 =	17.765 + 13.44 =	7.709 + 0.7 =

18 Subtract numbers with up to three decimal places

Let's Learn

37.8 – 14.671 =	36.909 – 20.67 =	6 – 5.738 =

Your Turn

45.9 – 13.363 =	25.159 – 10.9 =	7 – 6.519 =

19 Make decimal number bonds to 1

Let's Learn

0.294 + ☐ = 1	0.538 + ☐ = 1

Your Turn

0.891 + ☐ = 1	0.277 + ☐ = 1

20 Solve missing number decimal addition and subtraction problems

Let's Learn

☐ = 29.5 + 9.453	☐ + 2.704 = 14.5
☐ – 1.082 = 3.82	4.04 – ☐ = 3.978

Your Turn

☐ = 13.76 + 8.706	☐ + 2.601 = 28.7
☐ – 1.055 = 5.1	6.045 – ☐ = 3.95

21 Round decimals to the nearest whole number

Let's Learn

Round the numbers below to the nearest whole number.			
2.3 ≈	3.9 ≈	7.08 ≈	5.544 ≈

Your Turn

Round the numbers below to the nearest whole number.			
4.1 ≈	0.6 ≈	4.72 ≈	6.155 ≈

22 Round decimals to the nearest tenth

Let's Learn

Round the numbers below to the nearest tenth.			
2.36 ≈	2.63 ≈	4.808 ≈	6.464 ≈

Your Turn

Round the numbers below to the nearest tenth.			
4.45 ≈	4.54 ≈	2.362 ≈	5.088 ≈

23 Round decimals to the nearest hundredth

Let's Learn

Round the numbers below to the nearest hundredth.			
0.381 ≈	1.405 ≈	5.598 ≈	6.107 ≈

Your Turn

Round the numbers below to the nearest hundredth.			
0.737 ≈	2.508 ≈	5.704 ≈	6.183 ≈

24 Divide decimals by 10, 100 and 1000

Let's Learn

0.68 ÷ 10 =	80.08 ÷ 10 =	0.7 ÷ 100 =
2.06 ÷ 100 =	34.1 ÷ 1000 =	146.1 ÷ 1000 =

Your Turn

0.6 ÷ 10 =	50.5 ÷ 10 =	9.7 ÷ 100 =
65 ÷ 100 =	43 ÷ 1000 =	22.1 ÷ 1000 =

25 Multiply decimals by 10, 100 and 1000

Let's Learn

40.01 x 10 =	6.1 x 10 =	36.21 x 100 =
0.6 x 100 =	5.8 x 1000 =	7.05 x 1000 =

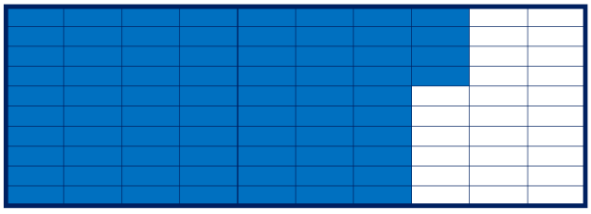
Your Turn

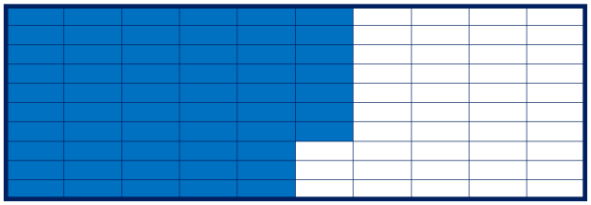
22.02 x 10 =	0.61 x 10 =	28.28 x 100 =
0.4 x 100 =	3.5 x 1000 =	6.052 x 1000 =

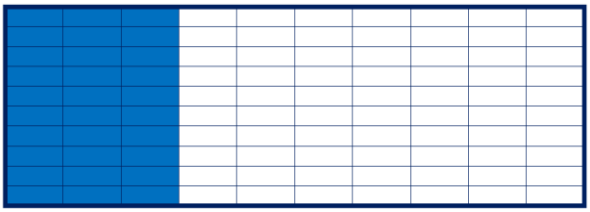
1 Connect fractions, decimals and percentages

Let's Learn

Write each representation as a fraction, a decimal and a percentage.







2 Convert unit fractions to percentages

Let's Learn

Write each fraction as a percentage.		
$\frac{1}{2}$ =	$\frac{1}{4}$ =	$\frac{1}{5}$ =

3 Convert fractions to percentages

Let's Learn

Write each fraction as a percentage.		
$\frac{9}{10}$ =	$\frac{3}{5}$ =	$\frac{17}{20}$ =

Your Turn

Write each fraction as a percentage.		
$\frac{7}{10}$ =	$\frac{3}{4}$ =	$\frac{17}{25}$ =

4 Write percentages as simplified fractions

Let's Learn

Write each percentage as a simplified fraction.		
30% =	2% =	40% =

Your Turn

Write each percentage as a simplified fraction.		
10% =	4% =	75% =

5 Convert decimals to percentages

Let's Learn

Write each decimal as a percentage.		
0.03 =	0.4 =	0.23 =

Your Turn

Write each decimal as a percentage.		
0.05 =	0.3 =	0.65 =