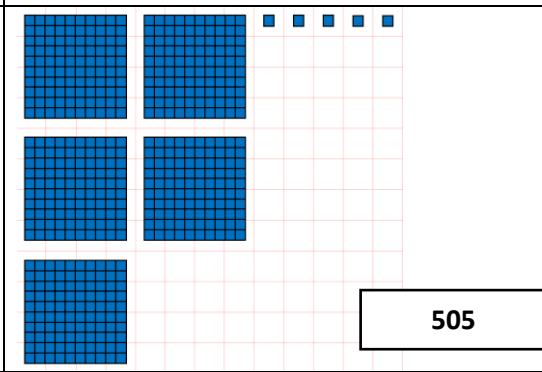
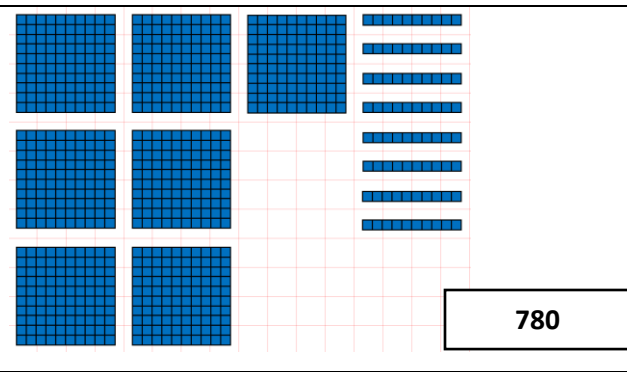
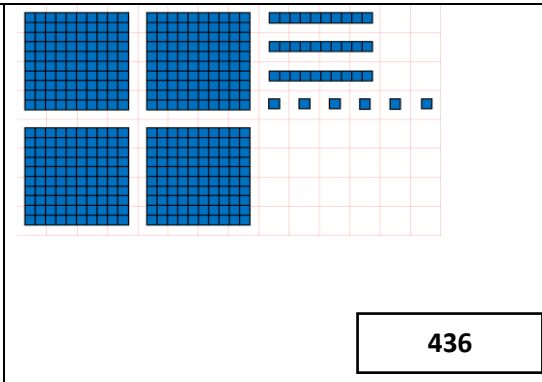
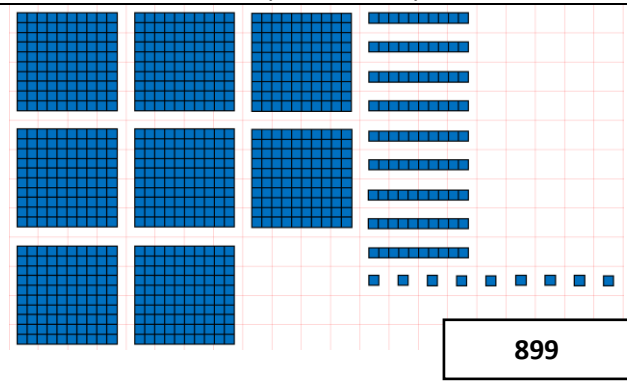


1 Recognise representations for numbers to 1000

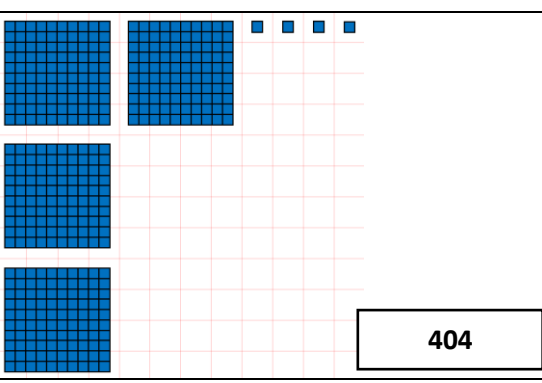
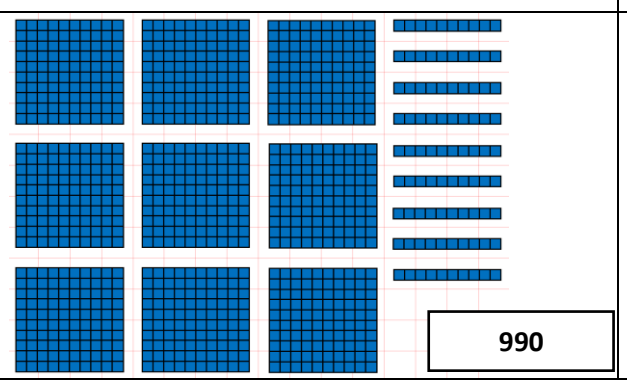
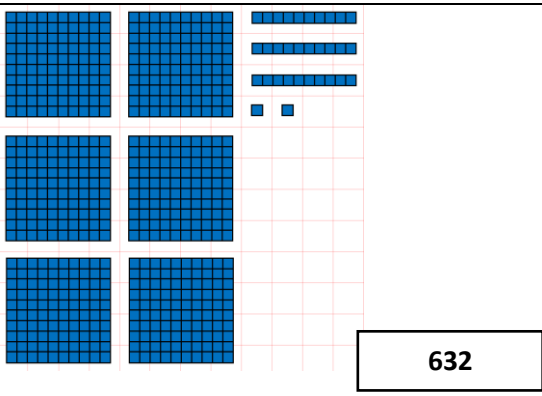
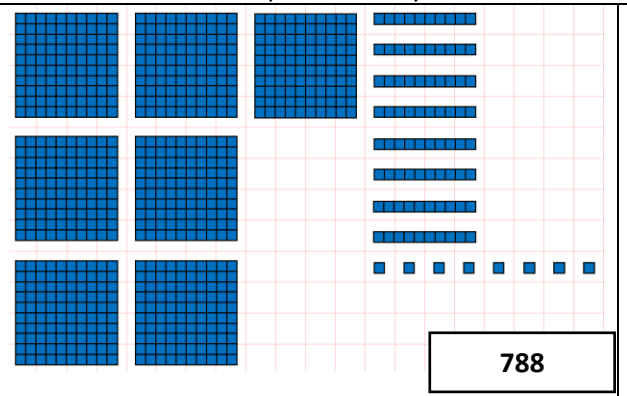
Let's Learn

Write the numbers represented by the blocks below.



Your Turn

Write the numbers represented by the blocks below.



2 Write numbers to 1000 in digits



Let's Learn

Write the numbers below in digits.

Eight hundred and twenty-five

825

Nine hundred

900

Three hundred and twenty

320

Four hundred and two

402

Your Turn

Write the numbers below in digits.

Seven hundred and seventeen

717

Four hundred

400

Six hundred and fifty

650

Two hundred and four

204

3 Write numbers to 1000 in words*Let's Learn*

Write the numbers below in words.

582 **Five hundred and eighty-two**700 **Seven hundred**840 **Eight hundred and forty**201 **Two hundred and one***Your Turn*

Write the numbers below in words.

787 **Seven hundred and eighty-seven**900 **Nine hundred**260 **Two hundred and sixty**903 **Nine hundred and three****4 Partition three-digit numbers***Let's Learn*

Partition the numbers below into hundreds, tens and ones.

$483 = 400 + 80 + 3$

$555 = 500 + 50 + 5$

$609 = 600 + 9$

$870 = 800 + 70$

Your Turn

Partition the numbers below into hundreds, tens and ones.

$791 = 700 + 90 + 1$

$333 = 300 + 30 + 3$

$207 = 200 + 7$

$780 = 700 + 80$

5 Compare three-digit numbers

Let's Learn

For the questions below, write < or >

35 < 350

492 < 509

472 > 427

479 > 474

Your Turn

For the questions below, write < or >

885 > 88

828 > 288

345 < 354

678 > 670

6 Order three-digit numbers

Let's Learn

Order each set of numbers from smallest to largest.

671, 67, 706, 660, 716

67

660

671

706

716

405, 504, 44, 404, 454

44

404

405

454

504

Your Turn

Order each set of numbers from smallest to largest.

232, 223, 332, 32, 323

32

223

232

323

332

777, 77, 757, 575, 775

77

575

757

775

777

7 Round two-digit numbers to the nearest 10

Let's Learn

Round the numbers below to the nearest 10.

42 ≈ 40

58 ≈ 60

28 ≈ 30

81 ≈ 80

35 ≈ 40

85 ≈ 90

Your Turn

Round the numbers below to the nearest 10.

77 ≈ 80

51 ≈ 50

34 ≈ 30

86 ≈ 90

25 ≈ 30

95 ≈ 100

8 Round three-digit numbers to the nearest 10

Let's Learn

Round the numbers below to the nearest 10.

215 ≈ 220

492 ≈ 490

333 ≈ 330

897 ≈ 900

303 ≈ 300

Your Turn

Round the numbers below to the nearest 10.

344 ≈ 340

627 ≈ 630

666 ≈ 670

904 ≈ 900

399 ≈ 400

9 Round to the nearest 100

Let's Learn

Round the numbers below to the nearest 100.

215 ≈ 200

492 ≈ 500

333 ≈ 300

897 ≈ 900

303 ≈ 300

Your Turn

Round the numbers below to the nearest 100.

344 ≈ 300

627 ≈ 600

666 ≈ 700

904 ≈ 900

399 ≈ 400

1 Count on from a three-digit number in ones

Let's Learn

For the questions below, write the next seven numbers.

95, 96, 97,

98	99	100	101	102	103	104
----	----	-----	-----	-----	-----	-----

634, 635, 636,

637	638	639	640	641	642	643
-----	-----	-----	-----	-----	-----	-----

805, 806, 807,

808	809	810	811	812	813	814
-----	-----	-----	-----	-----	-----	-----

296, 297, 298,

299	300	301	302	303	304	305
-----	-----	-----	-----	-----	-----	-----

Your Turn

For the questions below, write the next seven numbers.

93, 94, 95,

96	97	98	99	100	101	102
----	----	----	----	-----	-----	-----

267, 268, 269,

270	271	272	273	274	275	276
-----	-----	-----	-----	-----	-----	-----

604, 605, 606,

607	608	609	610	612	613	614
-----	-----	-----	-----	-----	-----	-----

395, 396, 397,

398	399	400	401	402	403	404
-----	-----	-----	-----	-----	-----	-----

2 Add a single-digit number to a three-digit number*Let's Learn*

Complete the questions below using mental methods.

$479 + 4 = 483$	$328 + 6 = 334$	$695 + 9 = 704$	$294 + 8 = 302$
-----------------	-----------------	-----------------	-----------------

Your Turn

Complete the questions below using mental methods.

$269 + 3 = 272$	$448 + 6 = 454$	$295 + 7 = 302$	$398 + 8 = 406$
-----------------	-----------------	-----------------	-----------------

3 Add two multiples of 10 beyond 100*Let's Learn*

Complete the questions below using mental methods.

$140 + 40 = 180$	$270 + 50 = 320$	$380 + 60 = 440$
------------------	------------------	------------------

Your Turn

Complete the questions below using mental methods.

$250 + 30 = 280$	$390 + 40 = 430$	$570 + 70 = 640$
------------------	------------------	------------------

4 Count on in tens from a three-digit number*Let's Learn*

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

157, 167, 177,

187	197	207	217	227	237	247
-----	-----	-----	-----	-----	-----	-----

539, 549, 559,

569	579	589	599	609	619	629
-----	-----	-----	-----	-----	-----	-----

Your Turn

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

243, 253, 263,

273	283	293	303	313	323	333
-----	-----	-----	-----	-----	-----	-----

541, 551, 561,

571	581	591	601	611	621	631
-----	-----	-----	-----	-----	-----	-----

5 Add a multiple of 10 to a three-digit number

Let's Learn

Complete the questions below using mental methods.

$242 + 60 = \mathbf{302}$

$458 + 70 = \mathbf{528}$

$865 + 80 = \mathbf{945}$

$194 + 90 = \mathbf{284}$

Your Turn

Complete the questions below using mental methods.

$332 + 70 = \mathbf{402}$

$263 + 60 = \mathbf{323}$

$744 + 80 = \mathbf{824}$

$298 + 50 = \mathbf{348}$

6 Count on or back in multiples of 100*Let's Learn*

Count from 0 to 1000 in steps of 100.

0,

100	200	300	400	500	600	700	800	900
-----	-----	-----	-----	-----	-----	-----	-----	-----

, 1000

Count back from 1000 to 0 in steps of 100.

1000,

900	800	700	600	500	400	300	200	100
-----	-----	-----	-----	-----	-----	-----	-----	-----

, 0**7 Count on in hundreds***Let's Learn*

For the questions below, write the next seven numbers, counting on in steps of 100.

41, 141, 241,

341	441	541	641	741	841	941
-----	-----	-----	-----	-----	-----	-----

66, 166, 266,

366	466	566	666	766	866	966
-----	-----	-----	-----	-----	-----	-----

Your Turn

For the questions below, write the next seven numbers, counting on in steps of 100.

64, 164, 264,

364	464	564	664	764	864	964
-----	-----	-----	-----	-----	-----	-----

10, 110, 210,

310	410	510	610	710	810	910
-----	-----	-----	-----	-----	-----	-----

8 Add a multiple of 100 to a three-digit number*Let's Learn*

Complete the questions below using mental methods.

$526 + 400 = \mathbf{926}$

$406 + 400 = \mathbf{806}$

$500 + 319 = \mathbf{819}$

$700 + 122 = \mathbf{822}$

Your Turn

Complete the questions below using mental methods.

$365 + 400 = \mathbf{765}$

$504 + 400 = \mathbf{904}$

$400 + 326 = \mathbf{726}$

$500 + 187 = \mathbf{687}$

9 Add numbers with up to three digits using the column method*Let's Learn*

Complete the questions below using column addition.

$552 + 38 = \mathbf{590}$

$679 + 43 = \mathbf{722}$

$464 + 152 = \mathbf{616}$

$388 + 219 = \mathbf{607}$

Your Turn

Complete the questions below using column addition.

$418 + 53 = \mathbf{471}$

$557 + 57 = \mathbf{614}$

$672 + 190 = \mathbf{862}$

$265 + 237 = \mathbf{502}$

1 Count back from a three-digit number in ones

Let's Learn

For the questions below, write the next seven numbers.

103, 102, 101,	100	99	98	97	96	95	94
595, 594, 593,	592	591	590	589	588	587	586
816, 815, 814,	813	812	811	810	809	808	807
506, 505, 504,	503	502	501	500	499	498	497

Your Turn

For the questions below, write the next seven numbers.

104, 103, 102,	101	100	99	98	97	96	95
472, 471, 470,	469	468	467	466	465	464	463
216, 215, 214,	213	212	211	210	209	208	207
407, 406, 405,	404	403	402	401	400	399	398

2 Subtract a single-digit number from a three-digit number*Let's Learn*

Complete the questions below using mental methods.

$284 - 5 = \mathbf{279}$	$392 - 6 = \mathbf{386}$	$204 - 8 = \mathbf{196}$	$403 - 7 = \mathbf{396}$
--------------------------	--------------------------	--------------------------	--------------------------

Your Turn

Complete the questions below using mental methods.

$373 - 5 = \mathbf{368}$	$493 - 6 = \mathbf{487}$	$603 - 8 = \mathbf{595}$	$501 - 7 = \mathbf{494}$
--------------------------	--------------------------	--------------------------	--------------------------

3 Solve missing number problems for addition and subtraction of ones with three-digit numbers*Let's Learn*

Complete the questions below by finding the missing numbers.

$\mathbf{405} = 396 + 9$	$\mathbf{608} = 616 - 8$	$473 + \mathbf{7} = 480$
$\mathbf{828} + 3 = 831$	$\mathbf{465} - 6 = 459$	$703 - \mathbf{5} = 698$

Your Turn

Complete the questions below by finding the missing numbers.

$\mathbf{304} = 295 + 9$	$\mathbf{506} = 512 - 6$	$294 + \mathbf{6} = 300$
$\mathbf{279} + 6 = 285$	$\mathbf{392} - 4 = 388$	$404 - \mathbf{6} = 398$

4 Solve missing number problems for addition with multiples of 10 with three-digit answers*Let's Learn*

Complete the questions below by finding the missing numbers.

$220 + \mathbf{40} = 260$	$170 + \mathbf{60} = 230$	$590 + \mathbf{70} = 660$
---------------------------	---------------------------	---------------------------

Your Turn

Complete the questions below by finding the missing numbers.

$310 + \mathbf{60} = 370$	$280 + \mathbf{40} = 320$	$670 + \mathbf{60} = 730$
---------------------------	---------------------------	---------------------------

5 Subtract two multiples of 10 beyond 100

Let's Learn

Complete the questions below using mental methods.

$260 - 40 = \mathbf{220}$

$320 - 50 = \mathbf{270}$

$430 - 60 = \mathbf{370}$

Your Turn

Complete the questions below using mental methods.

$490 - 40 = \mathbf{450}$

$910 - 50 = \mathbf{860}$

$520 - 70 = \mathbf{450}$

6 Solve missing number problems for subtraction with multiples of 10 with three-digit answers*Let's Learn*

Complete the questions below by finding the missing numbers.

$550 - \boxed{\mathbf{40}} = 510$

$220 - \boxed{\mathbf{40}} = 180$

$550 - \boxed{\mathbf{90}} = 460$

Your Turn

Complete the questions below by finding the missing numbers.

$660 - \boxed{\mathbf{50}} = 610$

$330 - \boxed{\mathbf{50}} = 280$

$670 - \boxed{\mathbf{80}} = 590$

7 Count back in tens from a three-digit number*Let's Learn*

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

725, 715, 705,

695**685****675****665****655****645****635**

546, 536, 526,

516**506****496****486****476****466****456***Your Turn*

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

332, 322, 312,

302**292****282****272****262****252****242**

869, 859, 849,

839**829****819****809****799****789****779****8 Subtract a multiple of 10 from a three-digit number mentally***Let's Learn*

Complete the questions below using mental methods.

$404 - 30 = \mathbf{374}$

$351 - 70 = \mathbf{281}$

$736 - 80 = \mathbf{656}$

$755 - 90 = \mathbf{665}$

Your Turn

Complete the questions below using mental methods.

$306 - 60 = \mathbf{246}$

$411 - 70 = \mathbf{341}$

$825 - 80 = \mathbf{745}$

$888 - 90 = \mathbf{798}$

9 Solve missing number problems for addition and subtraction of tens with three-digit numbers*Let's Learn*

Complete the questions below by finding the missing numbers.

$\boxed{\mathbf{414}} = 394 + 20$

$\boxed{\mathbf{362}} = 412 - 50$

$637 + \boxed{\mathbf{40}} = 677$

$\boxed{\mathbf{295}} + 40 = 335$

$\boxed{\mathbf{469}} - 30 = 439$

$916 - \boxed{\mathbf{30}} = 886$

Your Turn

Complete the questions below by finding the missing numbers.

$\boxed{\mathbf{504}} = 484 + 20$

$\boxed{\mathbf{586}} = 636 - 50$

$222 + \boxed{\mathbf{50}} = 272$

$\boxed{\mathbf{182}} + 50 = 232$

$\boxed{\mathbf{333}} - 30 = 303$

$512 - \boxed{\mathbf{50}} = 462$

10 Add and subtract two multiples of 100 within 1000

Let's Learn

Complete the questions below using mental methods.

$400 + 200 = \mathbf{600}$

$500 - 100 = \mathbf{400}$

$500 + 400 = \mathbf{900}$

$700 - 400 = \mathbf{300}$

*Your Turn*

Complete the questions below using mental methods.

$300 + 300 = \mathbf{600}$

$800 - 100 = \mathbf{700}$

$400 + 300 = \mathbf{700}$

$900 - 500 = \mathbf{400}$

**11 Solve missing numbers for addition and subtraction with multiples of 100 within 1000***Let's Learn*

Complete the questions below by finding the missing numbers.

$200 + \boxed{\mathbf{300}} = 500$

$700 + \boxed{\mathbf{200}} = 900$

$400 + \boxed{\mathbf{400}} = 800$

$900 - \boxed{\mathbf{400}} = 500$

$200 - \boxed{\mathbf{100}} = 100$

$600 - \boxed{\mathbf{400}} = 200$

*Your Turn*

Complete the questions below by finding the missing numbers.

$300 + \boxed{\mathbf{200}} = 500$

$500 + \boxed{\mathbf{300}} = 800$

$500 + \boxed{\mathbf{100}} = 600$

$900 - \boxed{\mathbf{500}} = 400$

$600 - \boxed{\mathbf{100}} = 500$

$700 - \boxed{\mathbf{500}} = 200$

**12 Count back in hundreds***Let's Learn*

For the questions below, write the next seven numbers, counting back in steps of 100.

955, 855, 755,

655**555****455****355****255****155****55**

903, 803, 703,

603**503****403****303****203****103****3***Your Turn*

For the questions below, write the next seven numbers, counting back in steps of 100.

922, 822, 722,

622**522****422****322****222****122****22**

901, 801, 701,

601**501****401****301****201****101****1****13 Subtract a multiple of 100 from a three-digit number***Let's Learn*

Complete the questions below using mental methods.

$999 - 200 = \mathbf{799}$

$562 - 400 = \mathbf{162}$

$375 - 300 = \mathbf{75}$

$857 - 500 = \mathbf{357}$

*Your Turn*

Complete the questions below using mental methods.

$888 - 200 = \mathbf{688}$

$743 - 400 = \mathbf{343}$

$513 - 500 = \mathbf{13}$

$962 - 300 = \mathbf{662}$

**14 Solve missing number problems for addition and subtraction of hundreds with three-digit numbers**

Let's Learn

Complete the questions below by finding the missing numbers.

$496 = 296 + 200$

$63 = 663 - 600$

$362 + 300 = 662$

$605 + 300 = 905$

$775 - 500 = 275$

$723 - 600 = 123$

Your Turn

Complete the questions below by finding the missing numbers.

$652 = 452 + 200$

$73 = 973 - 900$

$265 + 300 = 565$

$508 + 200 = 708$

$582 - 400 = 182$

$831 - 700 = 131$

15 Subtract numbers with up to three digits using the column method*Let's Learn*

Complete the questions below using column subtraction.

$733 - 25 = 708$

$318 - 44 = 274$

$350 - 136 = 214$

$675 - 387 = 288$

Your Turn

Complete the questions below using column subtraction.

$551 - 38 = 513$

$739 - 89 = 650$

$670 - 225 = 445$

$854 - 479 = 375$

16 Check by using the inverse operation with three-digit numbers*Let's Learn*

Check the answers to these calculations by using the inverse operation.

$238 + 184 = 422$

$422 - 184 = 238$ or $422 - 238 = 184$

$718 - 284 = 434$

$434 + 284 = 718$ or $284 + 434 = 718$

Your Turn

Check the answers to these calculations by using the inverse operation.

$352 + 282 = 643$

$643 - 282 = 352$ or $643 - 352 = 282$

$704 - 275 = 429$

$429 + 275 = 704$ or $275 + 429 = 704$

17 Solve missing number problems for addition and subtraction with three-digit numbers*Let's Learn*

Complete the questions below by finding the missing numbers.

$246 + 293 = 539$

$269 + 293 = 562$

$581 - 305 = 276$

$741 - 168 = 573$

Your Turn

Complete the questions below by finding the missing numbers.

$185 + 533 = 718$

$189 + 458 = 647$

$661 - 309 = 352$

$914 - 458 = 456$

1 Multiply by 3

Let's Learn

$3 \times 3 = 9$	$4 \times 3 = 12$	$7 \times 3 = 21$	$11 \times 3 = 33$
------------------	-------------------	-------------------	--------------------



2 Multiply by 4

Let's Learn

$2 \times 4 = 8$	$6 \times 4 = 24$	$9 \times 4 = 36$	$10 \times 4 = 40$
------------------	-------------------	-------------------	--------------------



3 Connect the 2 and 4 times tables

Let's Learn

<input type="text" value="3"/> $\times 4 = 6 \times 2$	<input type="text" value="1"/> $\times 4 = 2 \times 2$	<input type="text" value="4"/> $\times 2 = 2 \times 4$
--	--	--



4 Multiply by 8

Let's Learn

$2 \times 8 = 16$	$6 \times 8 = 48$	$8 \times 8 = 64$	$11 \times 8 = 88$
-------------------	-------------------	-------------------	--------------------



5 Connect the 4 and 8 times tables

Let's Learn

<input type="text" value="2"/> $\times 8 = 4 \times 4$	<input type="text" value="5"/> $\times 8 = 10 \times 4$	<input type="text" value="6"/> $\times 4 = 3 \times 8$
--	---	--



6 Represent multiplication using an array

Let's Learn

$5 \times 2 = 2 \times$ <input type="text" value="5"/>	$4 \times 3 = 3 \times$ <input type="text" value="4"/>
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7 Multiply by a multiple of 10 with knowledge of the 2, 3, 4, 5 and 8 times tables*Let's Learn*

$3 \times 80 = 240$

$40 \times 8 = 320$

$9 \times 20 = 180$

*Your Turn*

$7 \times 50 = 350$

$80 \times 8 = 640$

$5 \times 20 = 100$

**8 Multiply by a two-digit number using the grid method using knowledge of the 2, 3, 4, 5 and 8 times tables***Let's Learn*

Answer the questions below using the grid method.

$4 \times 55 = 220$

$23 \times 7 = 161$

*Your Turn*

Answer the questions below using the grid method.

$2 \times 88 = 176$

$32 \times 9 = 288$

**9 Multiply by a two-digit number using the expanded column method using knowledge of the 2, 3, 4, 5 and 8 times tables***Let's Learn*

Answer the questions below using the expanded column method.

$33 \times 2 = 66$

$76 \times 5 = 380$

$85 \times 3 = 255$

*Your Turn*

Answer the questions below using the expanded column method.

$44 \times 2 = 88$

$39 \times 5 = 195$

$58 \times 4 = 232$

**10 Multiply by a two-digit number using the column method using knowledge of the 2, 3, 4, 5 and 8 times tables within 100***Let's Learn*

Answer the questions below using the column method.

$16 \times 4 = 64$

$24 \times 3 = 72$

$2 \times 35 = 70$

*Your Turn*

Answer the questions below using the column method.

$16 \times 5 = 80$

$23 \times 4 = 92$

$2 \times 46 = 92$

**11 Multiply by a two-digit number using the column method using knowledge of the 2, 3, 4, 5 and 8 times tables within 1000***Let's Learn*

$24 \times 6 = 144$

$74 \times 2 = 148$

$3 \times 45 = 135$

*Your Turn*

$23 \times 7 = 161$

$93 \times 2 = 186$

$4 \times 53 = 212$



1 Divide by 3*Let's Learn*

$3 \div 3 = 1$	$12 \div 3 = 4$	$27 \div 3 = 9$	$36 \div 3 = 12$
----------------	-----------------	-----------------	------------------

**2 Divide by 4***Let's Learn*

$8 \div 4 = 2$	$20 \div 4 = 5$	$36 \div 4 = 9$	$40 \div 4 = 10$
----------------	-----------------	-----------------	------------------

**3 Divide by 8***Let's Learn*

$24 \div 8 = 3$	$32 \div 8 = 4$	$64 \div 8 = 8$	$96 \div 8 = 12$
-----------------	-----------------	-----------------	------------------

**4 Divide by grouping***Let's Learn*

Answer the questions below by grouping.		
$12 \div 4 = 3$	$20 \div 5 = 4$	$18 \div 2 = 9$

**5 Divide by sharing***Let's Learn*

Now answer the questions above by sharing.
--

**6 Solve missing number problems for multiplication and division with knowledge of the 2, 3, 4, 5, 8 and 10 times tables***Let's Learn*

$\boxed{35} = 7 \times 5$	$\boxed{7} = 14 \div 2$	$4 \times \boxed{8} = 32$
$\boxed{9} \times 3 = 27$	$\boxed{48} \div 8 = 6$	$24 \div \boxed{6} = 4$



7 Divide a multiple of 10 by a single-digit number*Let's Learn*

$80 \div 2 = 40$

$150 \div 3 = 50$

$160 \div 4 = 40$

$210 \div 3 = 70$

*Your Turn*

$60 \div 2 = 30$

$240 \div 3 = 80$

$240 \div 4 = 60$

$250 \div 5 = 50$

**8 Divide by chunking***Let's Learn*

Answer the questions below using the chunking method.

$78 \div 3 = 26$

$260 \div 5 = 52$

$144 \div 4 = 36$

*Your Turn*

Answer the questions below using the chunking method.

$100 \div 4 = 25$

$141 \div 3 = 47$

$180 \div 5 = 36$

**9 Divide by a single-digit number using long division***Let's Learn*

Answer the questions below using long division.

$68 \div 2 = 34$

$72 \div 3 = 24$

$96 \div 4 = 24$

$123 \div 3 = 41$

*Your Turn*

Answer the questions below using long division.

$69 \div 3 = 23$

$72 \div 4 = 18$

$95 \div 5 = 19$

$128 \div 2 = 64$

**10 Divide using short division***Let's Learn*

Now answer the questions above using short division.

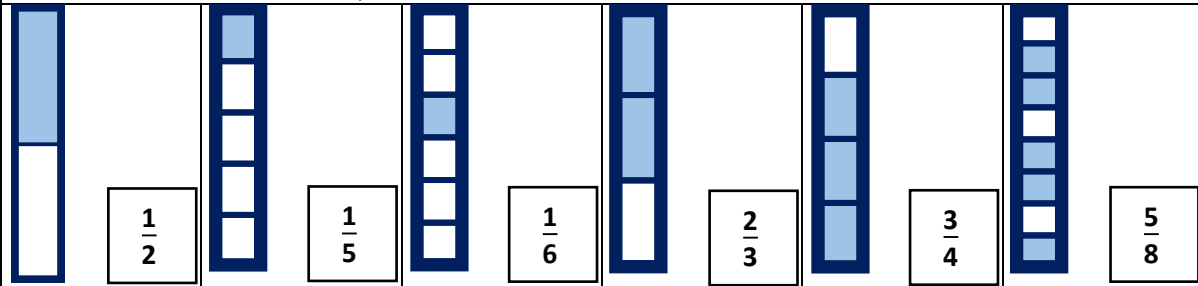
*Your Turn*

Now answer the questions above using short division.

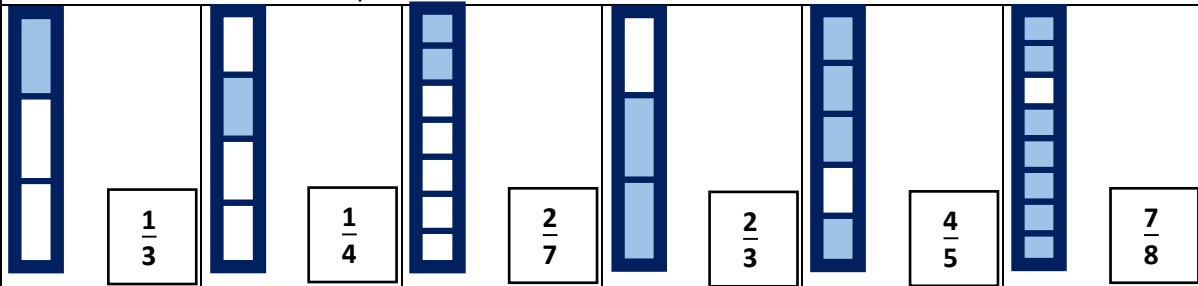


1 Identify a fraction as part of a whole*Let's Learn*

Name the shaded fraction represented in each fraction bar.

*Your Turn*

Name the shaded fraction represented in each fraction bar.

**2 Add fractions with the same denominator within 1***Let's Learn*

$\frac{2}{5} + \frac{1}{5} = \frac{3}{5}$	$\frac{1}{9} + \frac{4}{9} = \frac{5}{9}$	$\frac{3}{8} + \frac{3}{8} = \frac{6}{8}$	$\frac{2}{7} + \frac{3}{7} = \frac{5}{7}$
---	---	---	---

Your Turn

$\frac{3}{7} + \frac{1}{7} = \frac{4}{7}$	$\frac{1}{5} + \frac{2}{5} = \frac{3}{5}$	$\frac{3}{10} + \frac{2}{10} = \frac{5}{10}$	$\frac{2}{9} + \frac{5}{9} = \frac{7}{9}$
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3 Subtract fractions with the same denominator within 1*Let's Learn*

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

$\frac{6}{8} - \frac{1}{8} = \frac{5}{8}$	$\frac{5}{6} - \frac{4}{6} = \frac{1}{6}$	$\frac{6}{7} - \frac{2}{7} = \frac{4}{7}$	$\frac{4}{9} - \frac{1}{9} = \frac{3}{9}$
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4 Solve missing number problems for addition and subtraction of fractions with the same denominator within 1*Let's Learn*

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

$\frac{1}{6} + \frac{4}{6} = \frac{5}{6}$	$\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$	$\frac{5}{8} - \frac{4}{8} = \frac{1}{8}$	$\frac{5}{9} - \frac{3}{9} = \frac{2}{9}$
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5 Find a unit fraction of a number*Let's Learn*

$\frac{1}{3}$ of 24 = 8	$\frac{1}{5}$ of 30 = 6	$\frac{1}{8}$ of 24 = 3
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*Your Turn*

$\frac{1}{3}$ of 18 = 6	$\frac{1}{4}$ of 28 = 7	$\frac{1}{7}$ of 35 = 5
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**6 Find a whole quantity given the quantity represented by a unit fraction***Let's Learn*

$\frac{1}{3}$ of 21 = 7	$\frac{1}{5}$ of 20 = 4	$\frac{1}{6}$ of 24 = 4
$\frac{1}{4}$ of 400 = 100	$\frac{1}{3}$ of 210 = 70	$\frac{1}{5}$ of 215 = 43

*Your Turn*

$\frac{1}{6}$ of 42 = 7	$\frac{1}{8}$ of 40 = 5	$\frac{1}{9}$ of 18 = 2
$\frac{1}{3}$ of 600 = 200	$\frac{1}{6}$ of 360 = 60	$\frac{1}{2}$ of 156 = 78

**7 Find a quarter by halving twice, or an eighth by halving three times***Let's Learn*

$\frac{1}{2}$ of 48 = 24	$\frac{1}{4}$ of 48 = 12	$\frac{1}{8}$ of 48 = 6
$\frac{1}{2}$ of 32 = 16	$\frac{1}{4}$ of 32 = 8	$\frac{1}{8}$ of 32 = 4

*Your Turn*

$\frac{1}{2}$ of 40 = 20	$\frac{1}{4}$ of 40 = 10	$\frac{1}{8}$ of 40 = 5
$\frac{1}{2}$ of 24 = 12	$\frac{1}{4}$ of 24 = 6	$\frac{1}{8}$ of 24 = 3



1 Convert between fractional and decimal tenths

Let's Learn

$$0.2 = \frac{2}{10}$$

$$0.3 = \frac{3}{10}$$

$$0.6 = \frac{6}{10}$$

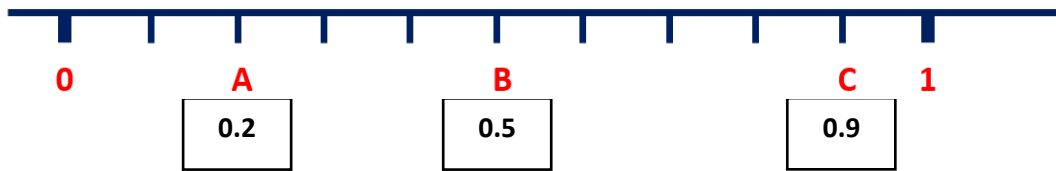
Write the quantity shown by each fraction bar as both a decimal and a fraction.



$$0.1 = \frac{1}{10}$$



$$0.9 = \frac{9}{10}$$

Write the values of A, B and C on the number line as **decimals**.

Your Turn

$$0.1 = \frac{1}{10}$$

$$0.7 = \frac{7}{10}$$

$$0.9 = \frac{9}{10}$$

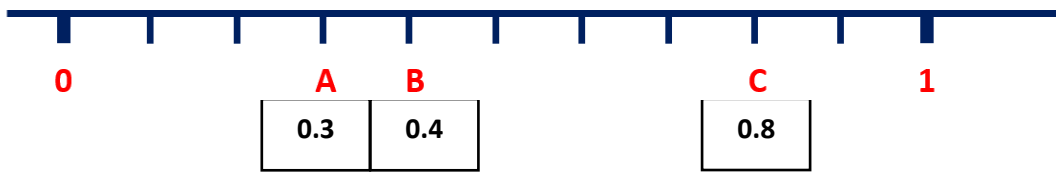
Write the quantity shown by each fraction bar as both a fraction and a decimal.



$$0.4 = \frac{4}{10}$$



$$0.8 = \frac{8}{10}$$

Write the values of A, B and C on the number line as **decimals**.

2 Convert between fractional and decimal tenths beyond 1

Let's Learn

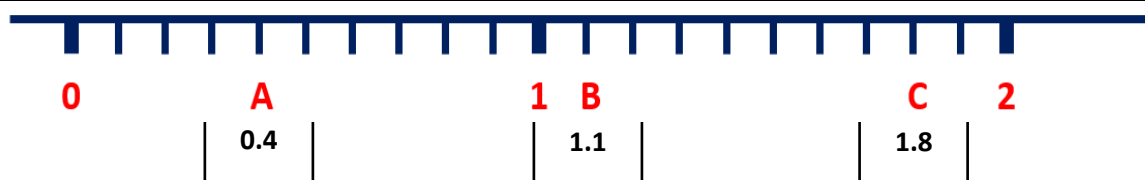
$$1.1 = \frac{11}{10}$$

$$1.4 = \frac{14}{10}$$

$$2.7 = \frac{27}{10}$$

$$\frac{13}{10} = 1.3$$

$$\frac{29}{10} = 2.9$$

Write the values of A, B and C on the number line as **decimals**.

Your Turn

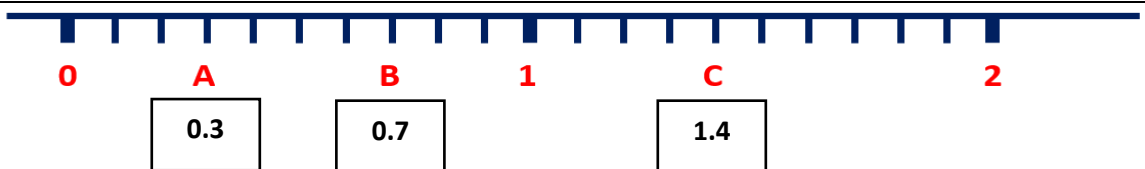
$$1.3 = \frac{13}{10}$$

$$1.7 = \frac{17}{10}$$

$$2.8 = \frac{28}{10}$$

$$\frac{19}{10} = 1.9$$

$$\frac{21}{10} = 2.1$$

Write the values of A, B and C on the number line as **decimals**.

3 Add numbers with tenths*Let's Learn*

$3.1 + 2.6 = 5.7$

$3.9 + 3.3 = 7.2$

$3.4 + 0.6 = 4$

$3.7 + 3.5 = 7.2$

*Your Turn*

$8.6 + 5.6 = 14.2$

$36.9 + 5.8 = 42.7$

$82.2 + 5.6 = 87.8$

**4 Subtract numbers with tenths***Let's Learn*

$7.6 - 5.2 = 2.4$

$6.5 - 1.9 = 4.6$

$9.4 - 5.8 = 3.6$

$6.1 - 0.2 = 5.9$

*Your Turn*

$17.4 - 5.1 = 12.3$

$21.7 - 2.7 = 19$

$12.4 - 4.5 = 7.9$

$29.3 - 12.6 = 16.7$

**5 Add numbers with tenths to whole numbers***Let's Learn*

$3 + 2.6 = 5.6$

$3.9 + 3 = 6.9$

*Your Turn*

$5 + 3.5 = 8.5$

$9.7 + 3 = 12.7$

**6 Subtract numbers with tenths from whole numbers***Let's Learn*

$9 - 5.4 = 3.6$

$5 - 0.1 = 4.9$

*Your Turn*

$7 - 0.7 = 6.3$

$5 - 3.2 = 1.8$

**7 Divide one- or two-digit numbers by 10 to make tenths***Let's Learn*

$1 \div 10 = 0.1$

$4 \div 10 = 0.4$

$6 \div 10 = 0.6$



$40 \div 10 = 4$

$13 \div 10 = 1.3$

$28 \div 10 = 2.8$

Your Turn

$3 \div 10 = 0.3$

$5 \div 10 = 0.5$

$9 \div 10 = 0.9$



$10 \div 10 = 1$

$11 \div 10 = 1.1$

$35 \div 10 = 3.5$

8 Multiply numbers with tenths by 10*Let's Learn*

$2 \times 10 = 20$

$0.2 \times 10 = 2$

$0.8 \times 10 = 8$



$1.6 \times 10 = 16$

$60.1 \times 10 = 601$

$24.6 \times 10 = 246$

Your Turn

$7 \times 10 = 70$

$0.7 \times 10 = 7$

$0.9 \times 10 = 9$



$3.5 \times 10 = 35$

$30.5 \times 10 = 305$

$35.3 \times 10 = 353$