



Subtraction



Subtraction – Stage 1

To subtract one-digit and two-digit numbers to 20.

1. Number track: $10 - 2 = 8$



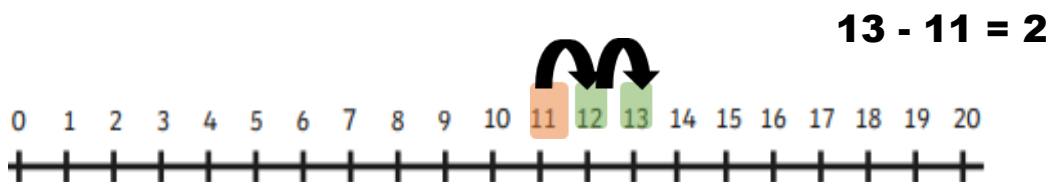
2. Number lines: subtract by taking away.



Count back in ones on a numbered line to take away, with numbers up to 20.



Count back if numbers are far apart, if numbers are close together subtract by counting on:



Key vocabulary

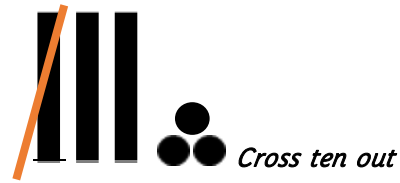
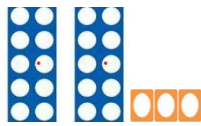
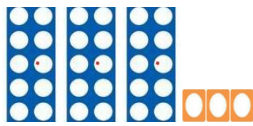
Equal to, take, take away, less, minus, subtract, leaves, distance between, how many more, how many fewer, less than, most, least, count back, how many left, how much less is?



Subtraction – Stage 2

To subtract one-digit and two-digit numbers to 20.

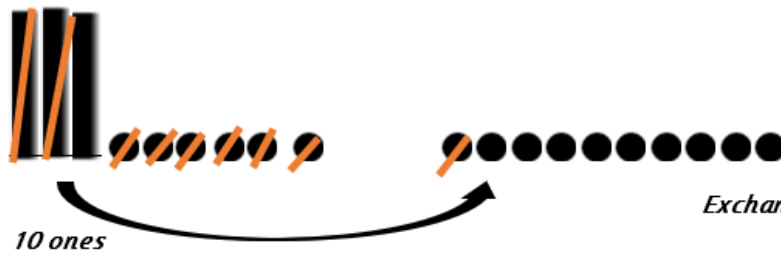
1. Subtracting ten: $33 - 10 = 23$ using concrete and pictorial resources



Take a ten away

Cross ten out

2. Crossing tens boundary: $36 - 17 = 19$



10 ones

Exchange a ten for 10 ones

3. Mental subtraction: $36 - 13 = 23$

$$36 - 13 = 23$$

$$36 - 10 = 26 \text{ (subtract tens in head)}$$

$$26 - 3 = 23 \text{ (count back in ones)}$$

4. Mental subtraction, crossing tens boundary

$$43 - 15 = 28$$

$$43 - 10 = 33 \text{ (subtract tens in head)}$$

$$33 - 5 = 28 \text{ (count back in ones) } 32, 31, 30, 29, 28$$

Key vocabulary

Equal to, take, take away, less, minus, subtract, leaves, distance between, how many more, how many fewer, less than, most, least, count back, how many left, how much less is? Count on strategy, partition, tens, ones.



Subtraction – Stage 3

Subtract numbers with up to three digits, using the formal written method of columnar subtraction.

1. TO – TO (no exchanging)

	3	0	+	4
-	2	0	+	3
	1	0	+	1

2. TO – TO (exchanging)

	3	0			
	3	0	+	¹ 8	
-	2	0	+	9	
	1	0	+	9	

3. Compact column subtraction

No exchanging

	4	7	5
-	1	3	2
	3	4	3

Exchanging

	4	6 7	¹ 5
-	3	5	7
	1	1	8

Key vocabulary

Equal to, take, take away, less, minus, subtract, leaves, distance between, how many more, how many fewer, less than, most, least, count back, how many left, how much less is? Count on strategy, partition, tens, ones, exchange, decrease, hundreds, value, digit.



Subtraction – Stage 4

Subtract numbers with up to three digits, using the formal written method of columnar subtraction.

Compact column subtraction

1. THHTO - THHTO

TH	H	T	O
4 2	1 2	6 7	1 4
3	6	1	6
<hr/>			
1	6	5	8

2. Subtracting through zero

	TH	H	T	O
	4	4 ⁹	1 ⁰	1 ²
-	3	2	6	3
<hr/>				
	1	2	3	9

3. Mixed amount of digits

Insert place holder

	TH	H	T	O
	3	11 ²	13 ⁴	1 ⁵
-	0	3	6	9
<hr/>				
	3	8	7	6

Key vocabulary

Equal to, take, take away, less, minus, subtract, leaves, distance between, how many more, how many fewer, less than, most, least, count back, how many left, how much less is...? Count on, strategy, partition, tens, ones, exchange, decrease, hundreds, value, digit, inverse.



Subtraction – Stage 5

Subtract whole numbers with more than 4 digits, including using the formal written method of columnar subtraction.

Compact column subtraction

1. 5 digits

	⁵ 8	¹ 4	² 3	¹ 4	8
-	3	8	1	6	2
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	2	6	1	8	6
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2. Mixed amount of digits

	⁵ 8	¹ 4	² 3	¹ 4	8
-	0	8	1	6	2
<hr/>					
	5	6	1	8	6
<hr/>					

Insert place holder

3. Subtracting decimals

	7	⁵ 8	¹ 3	9
-	4	3	8	2
<hr/>				
	3	2	5	7
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Key vocabulary

Equal to, take, take away, less, minus, subtract, leaves, distance between, how many more, how many fewer, less than, most, least, count back, how many left, how much less is...? Count on, strategy, partition, tens, ones, exchange, decrease, hundreds, value, digit, inverse, tenths, hundredths, decimal place, decimal.



Subtraction – Stage 6

Subtract whole numbers with more than 4 digits, including using the formal written method of columnar subtraction.

Compact column subtraction

2. Increasingly large numbers

Insert place holder

	7 ⁶	3 ¹²	3 ¹³	5 ⁴	6 ¹⁶	5
-	0	4	7	1	8	3
	<hr/>					
	6	8	6	3	8	2
	<hr/>					

3. Subtracting decimals with mixed amount of digits

	2 ¹	5	.	4	0 ⁷	¹ 0
-		7	.	3	5	7
	<hr/>					
		5	.	3	1	2 3
	<hr/>					

Insert place holder

Key vocabulary

Equal to, take, take away, less, minus, subtract, leaves, distance between, how many more, how many fewer, less than, most, least, count back, how many left, how much less is...? Count on, strategy, partition, tens, ones, exchange, decrease, hundreds, value, digit, inverse, tenths, hundredths, decimal place, decimal, thousands.