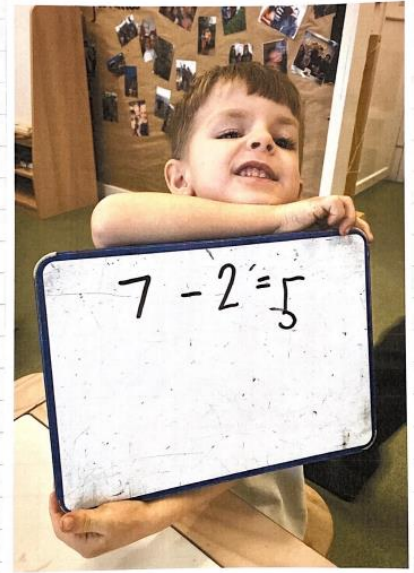


# Progression in Maths

## Subtraction



# EYFS



WALT: I can use objects to solve subtraction (M:N Early Learning Goal)

# Year 1

1 7 + 10 + 1 9

WALT subtract one-digit and two-digit numbers to 20, including zero.  
 I can subtract numbers, including zero, to 10 (Black)  
 I can, with supporting materials, subtract one-digit and two-digit numbers, including zero, to 20. (Ochre)  
 I can subtract one-digit and two-digit numbers, including zero, to 20. (Peach/Fluent)  
 I can use and apply this skill to reason and problem solve (Mastery)

Black			
1. $7 - 2 =$	2. $10 - 0 =$	3. $5 - 5 =$	4. $10 - 8 =$

1. 5

2. 10

3. 14

4. 18

Peach/Fluent			
1. $13 - 5 =$	2. $10 - 8 =$	3. $16 - \underline{\quad} = 9$	4. $\underline{\quad} - 2 = 11$

1. 8

2. 2

3. 0

4. 2

Ochre			
1. $16 - 5 =$	2. $12 - 9 =$	3. $20 - 6 =$	4. $18 - 0 =$

1. 11

2. 3

WALT: Subtract one-digit and two-digit numbers to 20, including zero





# Year 2

**Ruby (manipulatives)**

1. $21 - 10 =$	2. $78 - 20 =$	3. $39 - 30 =$	4. $84 - 40 =$
5. $67 - 20 =$	6. $99 - 70 =$	7. $62 - 30 =$	8. $77 - 50 =$

1.  $21 - 10 = 11$  ✓  
 2.  $78 - 20 = 58$  ✓  
 3.  $39 - 30 = 9$  ✓  
 4.  $84 - 40 = 44$  ✓

**Olive (pictorial representations)**

1. $55 - 20 =$	2. $61 - 10 =$	3. $99 - 30 =$	4. $43 - 40 =$
5. $82 - 30 =$	6. $77 - 20 =$	7. $95 - 60 =$	8. $47 - 20 =$

1.  $55 - 20 = 35$   
 $35$   $55$  ✓

2.  $61 - 10 = 51$  ✓  
 $51$   $61$   
 3.  $99 - 30 = 69$  ✓  
 $69$   $99$   
 4.  $43 - 40 = 3$  ✓  
 $3$   $43$   
 5.  $82 - 30 = 52$  ✓  
 $52$   $82$

6.  $77 - 20 = 57$  ✓  
 $57$   $77$   
 7.  $95 - 60 = 35$  ✓  
 $35$   $95$   
 8.  $47 - 20 = 27$  ✓  
 $27$   $47$

**Violet/Fluent (mentally)**

1. $68 - 10 =$	2. $49 - 20 =$	3. $32 - 30 =$	4. $49 - 20 =$
5. $61 - 30 =$	6. $59 + 40 =$	7. $62 - \underline{\quad} = 22$	8. $47 - \underline{\quad} = 37$

1.  $68 - 10 = 58$  ✓  
 2.  $49 - 20 = 29$  ✓  
 3.  $32 - 30 = 2$  ✓  
 4.  $49 - 20 = 29$  ✓

WALT:



# Year 3

WALT subtract numbers with up to three digits, using formal written methods of columnar subtraction.

I can, use column subtraction to subtract two two-digit numbers and two three-digit numbers without regrouping. (Fluent)

I can, with support, use column subtraction to subtract two two-digit numbers and two three-digit numbers with regrouping. (Secure)

I can, independently, use column subtraction to subtract two two-digit numbers and two three-digit numbers with regrouping. (Confident/Fluent)

I can use and apply this skill to problem solve and reason. (Master)

Fawn			
1. $56 - 13 =$	2. $33 - 21 =$	3. $71 - 11 =$	4. $65 - 14 =$

1.  $56 - 13 = 43$  ✓

$$\begin{array}{r} 56 \\ - 13 \\ \hline 43 \end{array}$$

2.  $33 - 21 = 12$  ✓

$$\begin{array}{r} 33 \\ - 21 \\ \hline 12 \end{array}$$

3.  $71 - 11 = 60$  ✓

$$\begin{array}{r} 71 \\ - 11 \\ \hline 60 \end{array}$$

4.  $65 - 14 = 51$  ✓

$$\begin{array}{r} 65 \\ - 14 \\ \hline 51 \end{array}$$

Lilac			
1. What is 53 take away 16?	2. What is the answer to four hundred and fifty six minus two hundred and fifty nine?	3. What would you get if you took 19 away from 38?	4. $\quad - 382 = 295$

1.  $53 - 16 = 37$

$$\begin{array}{r} 53 \\ - 16 \\ \hline 37 \end{array}$$

2.  $456 - 259 = 197$  ✓

$$\begin{array}{r} 456 \\ - 259 \\ \hline 197 \end{array}$$

3.  $38 - 19 = 19$  ✓

$$\begin{array}{r} 38 \\ - 19 \\ \hline 19 \end{array}$$

4.  $382 - 295 = 87$  ✓

$$\begin{array}{r} 382 \\ - 295 \\ \hline 87 \end{array}$$

WALT: Subtract numbers with up to three digits, using formal written methods of columnar subtraction



# Year 4

**WALT:** Subtract numbers with up to 4 digits using the formal written methods of column subtraction where appropriate.

I can use column subtraction to subtract two four-digit numbers which requires then to regroup once (Chocolate)

I can use column subtraction to subtract two four-digit numbers which requires then to regroup twice (Moose)

I can use column subtraction to subtract a one/three-digit number from a four-digit number (including multiples of 1000) which requires then to regroup (Cream / Flavour)

I can use and apply this skill to reason and problem solve. (Moose)

**Chocolate**

1. $1357 - 1228$	2. $2163 - 1124$	3. 5 thousand, 3 hundred and 66 - 2 thousand, 5 hundred and 35	4. Subtract 3474 from 6658
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1. 
$$\begin{array}{r} 1357 \\ - 1228 \\ \hline 0129 \end{array} \checkmark$$

2. 
$$\begin{array}{r} 2163 \\ - 1124 \\ \hline 1039 \end{array} \checkmark$$

3. 
$$\begin{array}{r} 5366 \\ - 2535 \\ \hline 2831 \end{array} \checkmark$$

4. 
$$\begin{array}{r} 6658 \\ - 3474 \\ \hline 3184 \end{array} \checkmark$$

**Moose**

1. Six thousand, two hundred and ninety-one minus one thousand, three hundred and twenty-eight.	2. $2313 - 1244$	3. What is 4474 fewer than 8145?	4. Calculate $9675 - 3846$ .
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1. 
$$\begin{array}{r} 6291 \\ - 1328 \\ \hline 4963 \end{array} \checkmark$$

2. 
$$\begin{array}{r} 2313 \\ - 1244 \\ \hline 1069 \end{array} \checkmark$$

3. 
$$\begin{array}{r} 8145 \\ - 4474 \\ \hline 3871 \end{array} \checkmark$$

4. 
$$\begin{array}{r} 9675 \\ - 3846 \\ \hline 5829 \end{array} \checkmark$$

**Cream / Flavour**

1. Fill in the missing digits: $5 \square 28 - 440 = 4788$	2. Calculate $2000 - 1228$	3. In a toy shop, 2315 piggy banks sit on the shelf. During the day, they sell 589 bags. How many bags are left on the shelf?	4. Place the sign in these boxes: 1904 - 906 $\square$ 996 - 924 2144 - 29 + 42 $\square$ 2134 - 49 + 21
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1. 
$$\begin{array}{r} 5228 \\ - 440 \\ \hline 4788 \end{array} \checkmark$$

2. 
$$\begin{array}{r} 2000 \\ - 1228 \\ \hline 0772 \end{array} \checkmark$$

3. 
$$\begin{array}{r} 2315 \\ - 589 \\ \hline 1856 \end{array} \checkmark$$

WALT: Subtract numbers with up to 4 digits using the formal written methods of column subtraction where appropriate





# Year 5

**WALT:** To add and subtract whole numbers with more than 4 digits, including using formal written methods. The pupils can use column addition and subtraction to add or subtract two numbers with the same number of digits, which requires them to regroup once. (Green)

The pupils can use column addition and subtraction to add or subtract two numbers, which requires them to regroup twice. This can include a different number of digits. (Blue)

The pupils can use column addition and subtraction to add or subtract two numbers with a different number of digits which requires them to regroup including numbers which both have decimals. (Red)

The pupils can apply their addition and subtraction skills to answer multi-step problems in context. (Mastery)

**Crimean**

1.  $87,218 - 31,403 =$       2.  $54,374 - 16,153 =$

3.  $34,915 - 11,903 =$       4.  $53,486 - 21,632 =$

1) 
$$\begin{array}{r} \text{TH} \text{TH} \text{H} \text{T} \text{U} \\ 87218 \\ - 31403 \\ \hline 55815 \end{array} =$$

2) 
$$\begin{array}{r} \text{TH} \text{TH} \text{H} \text{T} \text{U} \\ 54374 \\ - 16153 \\ \hline 38221 \end{array} =$$

3) 
$$\begin{array}{r} \text{TH} \text{TH} \text{H} \text{T} \text{U} \\ 34915 \\ - 11903 \\ \hline 23012 \end{array} =$$

**4)**

$$\begin{array}{r} \text{TH} \text{TH} \text{H} \text{T} \text{U} \\ 58486 \\ - 21632 \\ \hline 36854 \end{array} =$$

**Silver**

1.  $49,621 - 19,810 =$       2.  $843,743 - 425,482 =$

3.  $616,346 - 327,162 =$       4.  $516,357 - 182,193 =$

1) 
$$\begin{array}{r} \text{TH} \text{TH} \text{H} \text{T} \text{U} \\ 49621 \\ - 19810 \\ \hline 29811 \end{array} =$$

2) 
$$\begin{array}{r} \text{TH} \text{TH} \text{H} \text{T} \text{U} \\ 843743 \\ - 425482 \\ \hline 418261 \end{array} =$$

3) 
$$\begin{array}{r} \text{TH} \text{TH} \text{H} \text{T} \text{U} \\ 616346 \\ - 327162 \\ \hline 289184 \end{array} =$$

**4)**

$$\begin{array}{r} \text{TH} \text{TH} \text{H} \text{T} \text{U} \\ 516857 \\ - 182193 \\ \hline 334664 \end{array} =$$

**Blue**

1. This table shows the number of people living in various towns in England.

Town	Population
Bedford	67,842
Carlton	52,952
Dover	32,495
Farmby	19,842
Telford	218,985

What is the difference between the numbers of people living in Bedford and in Dover?

1) 
$$\begin{array}{r} \text{TH} \text{TH} \text{H} \text{T} \text{U} \\ 67842 \\ - 32495 \\ \hline 35347 \end{array} =$$

WALT: To subtract whole numbers with more than 4 digits, including formal written methods



# Year 6

**WALT:** Solve problems involving subtraction  
 I can, with supporting materials, solve problems involving fractions (Aeure)  
 I can solve problems involving fractions (Lemon)  
 I can solve more complex, multi-step problems involving fractions (Russell)

**Aeure**

1. Mrs Green has £22 in her purse. She goes to the shop and spends £12.30. She then gets the bus home, which costs her £1.20. How much money does she have left in her purse?

2. There are 113 pupils at Grassy Mass Junior School. In Year 6, there are 24 students. Year 5 has 28 pupils. How many pupils are in years 3 and 4, altogether?

3. In a lorry, there were 4852 pieces of fruit. 2135 were bananas and 13621 were oranges. How many apples were there in the lorry?

4. There are 11685 picture books in the library. On Monday 2333 were taken out and on Tuesday 3212 are taken out. How many picture books are left?

1. 
$$\begin{array}{r} 12.30 \\ + 1.20 \\ \hline 13.50 \end{array}$$
 
$$\begin{array}{r} 22.00 \\ - 13.50 \\ \hline 8.50 \end{array}$$
  
 Mrs Green had £8.50 left ✓

2. 
$$\begin{array}{r} 29 \\ + 28 \\ \hline 57 \end{array}$$
 
$$\begin{array}{r} 113 \\ - 24 \\ \hline 89 \end{array}$$
  
 There are 89 pupils in years 3 and 4 altogether. ✓

3. 
$$\begin{array}{r} 21235 \\ + 13621 \\ \hline 34856 \end{array}$$
 
$$\begin{array}{r} 17854102 \\ - 34856 \\ \hline 13656 \end{array}$$
  
 The lorry contained 13656 apples. ✓

4. 
$$\begin{array}{r} 2333 \\ + 3212 \\ \hline 5545 \end{array}$$
 
$$\begin{array}{r} 101485 \\ - 5545 \\ \hline 5940 \end{array}$$
  
 There are 5940 picture books left. ✓

**Lemon**

1. A gallery had 105325 visitors in September. In June they had 125630 visitors. How many more people visited the gallery in June than September?

2. Fenna thought of a number and subtracted 243. Then she added 312. Her answer was 968. What was Fenna's number?

3. For the journey, Mrs Smith bought a drink for 76p, a chocolate bar for £1.05 and a book for £4.72. How much change did she get from £10?

4. 1473 people attend the theatre. At the interval, 487 leave their seats to get refreshments and another 246 leave to get autographs. How many people remain in their seats?

1. 
$$\begin{array}{r} 125630 \\ - 105325 \\ \hline 20305 \end{array}$$
  
 20305 more people visited the gallery in June than September. ✓

2. 
$$\begin{array}{r} 812 \\ - 213 \\ \hline 599 \end{array}$$
 
$$\begin{array}{r} 968 \\ - 69 \\ \hline 899 \end{array}$$
  
 The number Fenna was thinking of was 899. ✓

3. 
$$\begin{array}{r} 4.72 \\ + 1.05 \\ \hline 5.77 \end{array}$$
 
$$\begin{array}{r} 5.77 \\ + 0.76 \\ \hline 6.53 \end{array}$$
 
$$\begin{array}{r} 10.00 \\ - 6.53 \\ \hline 3.47 \end{array}$$
  
 Mrs Smith had £3.47 change. ✓

WALT: Solve problems involving subtraction

