

## Multiplication part 1 videos 1-17

If you have not already done so, look at these maths lessons and then use the resources for lessons 1-17 to see how much you have understood. Work at your own pace. Try to do one lesson every day.


**Lesson 1** Build the concept of units of 2 and count the number of groups of 2

**Lesson 2** Count in twos and count on from a multiple of 2

**Lesson 3** Build the concept of units of 10 and count in tens

**Lesson 4** Count on from a multiple of 10 and identify the number of tens in a multiple of 10


**Lesson 5** Build the concept of units of 5, count in fives and count on from a multiple of 5.



1. Build the concept of units of 2 and count the number of groups of 2

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[https://www.youtube.com/watch?v=mbCshx2Vu4M&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe\\_f49fr&index=1](https://www.youtube.com/watch?v=mbCshx2Vu4M&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe_f49fr&index=1)



2. Count in twos and count on from a multiple of 2

NCETM

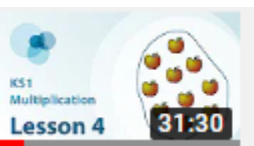
[https://www.youtube.com/watch?v=to8oWn5poQ&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe\\_f49fr&index=2](https://www.youtube.com/watch?v=to8oWn5poQ&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe_f49fr&index=2)



3. Build the concept of units of 10 and count in tens

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[https://www.youtube.com/watch?v=Q0Z5UjVoIdg&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe\\_f49fr&index=3](https://www.youtube.com/watch?v=Q0Z5UjVoIdg&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe_f49fr&index=3)



4. Count on from a multiple of 10 and identify the number of tens in a multiple of 10

NCETM

[https://www.youtube.com/watch?v=WKo7jOV7aZk&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe\\_f49fr&index=4](https://www.youtube.com/watch?v=WKo7jOV7aZk&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe_f49fr&index=4)



5. Build the concept of units of 5, count in fives and count on from a multiple of 5

NCETM

[https://www.youtube.com/watch?v=BK9tXiRueY&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe\\_f49fr&index=5](https://www.youtube.com/watch?v=BK9tXiRueY&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe_f49fr&index=5)


**Lesson 6** This lesson starts with counting in 2s, 5s and 10s and gets the children to consider what multiple they could be counting in if they say 25. A one-penny coin is introduced, with a value of 'one p'. Children are encouraged to make some one-dot tokens to use alongside the pennies to help with seeing the value of several one-penny coins. They then apply this understanding to see what they can buy with one penny coins.

**Lesson 7** Children now look at different coins and consider what is the same and what is different. The focus is then on the 2p coin, 5p coin and 10p coin alongside the two-dot, five-dot and ten-dot tokens to support with putting them in an order related to their value.

**Lesson 8** Revise counting in 2s and 5s using the pre-money tokens. Children then use a generalised sentence to make the link between pennies and other denominations, for example 'I say two pence, but I think two one pennies', 'I say five pence, but I think five one pennies'...


**Lesson 9** Attention is now drawn to the number of coins, the value of each coin and the value of the set of coins. Using 2p coins, the language of 'one two-pennies' instead of 'one two-pence coin' emphasises the meaning of the coin denomination.

**Lesson 10** Using sets of 5p and sets of 10p coins, identify the number of coins, the value of each coin and the value of the set of coins. Children then set up a 'five-pence shop' ready for the next lesson.

The thumbnail for Lesson 6 features a blue circular icon with a person silhouette, the text 'KS1 Multiplication', 'Lesson 6', and a black box with '14:07'. The background shows a large number '6' and some small icons.

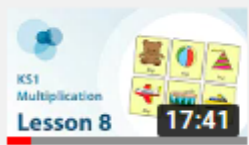
**6. Introduction of money and the 1p coin**  
NCETM

[https://www.youtube.com/watch?v=vZfyW9FF2eA&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe\\_f49fr&index=6](https://www.youtube.com/watch?v=vZfyW9FF2eA&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe_f49fr&index=6)

The thumbnail for Lesson 7 features a blue circular icon with a person silhouette, the text 'KS1 Multiplication', 'Lesson 7', and a black box with '16:04'. The background shows a large number '7' and some small icons.


**7. Introduction and comparison of 2p, 5p and 10p coins**  
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[https://www.youtube.com/watch?v=Q15agGRCUJI&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe\\_f49fr&index=7](https://www.youtube.com/watch?v=Q15agGRCUJI&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe_f49fr&index=7)

The thumbnail for Lesson 8 features a blue circular icon with a person silhouette, the text 'KS1 Multiplication', 'Lesson 8', and a black box with '17:41'. The background shows a large number '8' and some small icons.

**8. Consider the value of 2p, 5p and 10p coins**  
NCETM

[https://www.youtube.com/watch?v=g6p6YdhEuxY&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe\\_f49fr&index=8](https://www.youtube.com/watch?v=g6p6YdhEuxY&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe_f49fr&index=8)

The thumbnail for Lesson 9 features a blue circular icon with a person silhouette, the text 'KS1 Multiplication', 'Lesson 9', and a black box with '10:33'. The background shows a large number '9' and some small icons.

**9. Consider the value of a set of 2p coins**  
NCETM

[https://www.youtube.com/watch?v=58rW-bv6YNY&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe\\_f49fr&index=9](https://www.youtube.com/watch?v=58rW-bv6YNY&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe_f49fr&index=9)



## 10. Consider the value of a set of 5p coins and a set of 10p coins

NCETM

[https://www.youtube.com/watch?v=CDYvlzFbHDU&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe\\_f49fr&index=10](https://www.youtube.com/watch?v=CDYvlzFbHDU&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe_f49fr&index=10)

**Lesson 11** - Compare the value of sets of coins (different denominations). This lesson focuses on noticing the number of coins, the value of each coin and the total value of the set using 1p, 2p and 10p coins.

**Lesson 12** - Make connections and apply learning in the context of a shop. Children use purses with either 1p, 2p, 5p or 10p coins in them and consider the question: *What could I buy with the coins in each of these purses?*

**Lesson 13** - Find the total amount by combining different coins. Children group coins of the same denomination. They then work out the amount of each set, by skip counting, and then combine the sets to find the total amount. They are encouraged to use a tens frame to organise the count.

**Lesson 14** - Find how many coins are needed to make a given value. Children use what they know about skip counting to solve problems where they work out many coins of each denomination are needed to buy a given item. They use the tens frame to support.

**Lesson 15** - Further practice finding how many coins are needed to make a given value. This lesson provides children with the opportunity to practise using 5p coins and 10p coins as well as 1p and 2p coins.

**Lesson 16** - How many coins are needed to buy an item? This lesson focuses on the value of the coin used to purchase items, and the number of coins needed is noted. Different strategies are used to support with keeping a track of how many coins are used such as organising them into groups of 10 using a tens frame, marking them off as well as keeping a record of the skip count with a number line.

**Lesson 17** - Further practice buying items with different value coins. This is the last lesson that uses the segment 2.1 counting and unitising. The challenge activity at the end encourages children to consider the learning from the whole of this sequence of lessons where they look at the price of an item and consider which coins they could use. They then compare where there is more than one option and reason about whether they need more or fewer coins of a different denomination.



## 11. Compare the value of sets of coins (different denominations)

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[https://www.youtube.com/watch?v=IQ2FC390DJU&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe\\_f49fr&index=11](https://www.youtube.com/watch?v=IQ2FC390DJU&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe_f49fr&index=11)



## 12. Use coins within the context of a shop

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[https://www.youtube.com/watch?v=APZGs04wFVU&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe\\_f49fr&index=12](https://www.youtube.com/watch?v=APZGs04wFVU&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe_f49fr&index=12)



## 13. Find the total amount by combining different coins

NCETM

[https://www.youtube.com/watch?v=J2o0FR5oY74&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe\\_f49fr&index=13](https://www.youtube.com/watch?v=J2o0FR5oY74&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe_f49fr&index=13)



#### 14. Find how many coins are needed to make a given value

NCETM

[https://www.youtube.com/watch?v=DFAHdJHvIHo&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe\\_f49fr&index=14](https://www.youtube.com/watch?v=DFAHdJHvIHo&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe_f49fr&index=14)



#### 15. Practise finding how many coins are needed to make a given value

NCETM

[https://www.youtube.com/watch?v=G-dvHYFOT5M&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe\\_f49fr&index=15](https://www.youtube.com/watch?v=G-dvHYFOT5M&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe_f49fr&index=15)



#### 16. How many coins are needed to buy an item?

NCETM

[https://www.youtube.com/watch?v=BLoJ-x8NjS8&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe\\_f49fr&index=16](https://www.youtube.com/watch?v=BLoJ-x8NjS8&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe_f49fr&index=16)



#### 17. Further practice buying items with different value coins

NCETM

[https://www.youtube.com/watch?v=Aou4flhDQ&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe\\_f49fr&index=18&t=96s](https://www.youtube.com/watch?v=Aou4flhDQ&list=PLQqF8sn28L9yTV9WxpHw-9BbqRe_f49fr&index=18&t=96s)