

KEY INSTANT RECALL FACTS

YEAR 3 – SPRING 2

I KNOW ALL COMPLEMENTS TO 100

By the end of this term, children should be able to rapidly calculate the complements to 100. These are the numbers that add together to make 100 e.g. $59 + 41 = 100$

Please note, where we have provided links to online activities we expect children to seek parent/carer permission to do this first.

Children should be able to rapidly calculate the complements to 100

Top tip: To make 100, choose two numbers where the tens add to 90 and the ones add to 10 (because you know $90 + 10 = 100$)

The diagram illustrates the strategy for adding 32 and 68 to get 100. It shows the numbers 32 and 68 with lines connecting their tens and ones digits to their respective parts in a second equation. The second equation is $30 + 60 = 90$, where 30 and 60 are connected to the tens digits of 32 and 68. Below this, the ones digits are added: $2 + 8 = 10$. Finally, the results are summed: $90 + 10 = 100$. The final result 100 is written in red.

TOP TIPS

The secret to success is practicing little and often. Use time wisely! Can you practice these KIRFs on the way to school either walking or by car? You don't need to practise them all at once: you could have facts of the day e.g

$10 + 90$ $11 + 89$ $12 + 88$ $13 + 87$ $14 + 86$ $15 + 85$ $16 + 84$ $17 + 83$ $18 + 82$ $19 + 81$

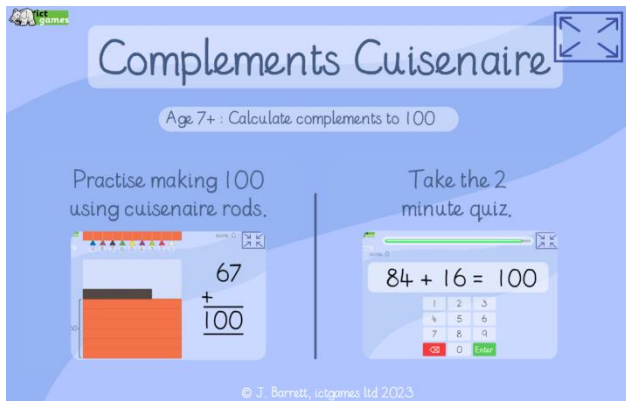
Follow the instruction below to practice these skills.

1. To practice making 100, you could try this activity. Use your laptop or tablet to access the following link or to scan the QR code:

<https://ictgames.com/mobilePage/complement/index.html>



2. You can choose to either practice making 100 using cuisenaire rods or take the timed challenge. Follow the instruction in the black box.



Complements Cuisenaire

Make 100, learn to calculate complements to 100

Learning Objectives:

- Ready to Progress Criteria for the end of Y3: 3AS-1 Calculate complements to 100

Instructions: - Practise making 100

1. Read the calculation on the RHS.
2. Look at the Cuisenaire rods on the LHS.
3. How many do we need to complete the row of 10.
4. Cut the bar at the top of the screen to complete the next 10.
5. Now press the "+10" button to add enough tens to complete 100.
6. Press white boxes in the calculation on the RHS to fill in the missing digits.
7. Press 'enter'. If you're correct you'll see the next calculation.
8. This game is designed to build understanding and confidence. There is no end.

Instructions: - 2 Minute Quiz

1. The green line across the top shows you how much time there is left.
2. Read the calculation; what's the missing number?
3. Type using the onscreen keypad or your keyboard.
4. You've 2 minutes to answer as many correctly as you can.
5. Good luck!

3. Are you feeling confident now? Try rapid recall by playing 'HIT THE BUTTON'.

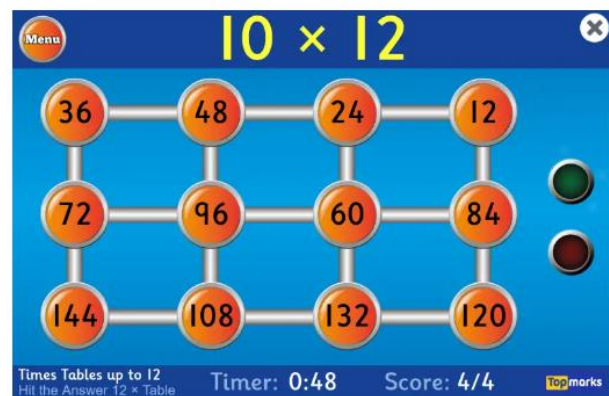
Link: www.topmarks.co.uk/maths-games/hit-the-button

QR Code:



Click green button - 'PLAY GAME'.

▶ Play Game



Then click the green circle that says 'NUMBER BONDS'. Finally, select 'MAKE 100' from the menu. Good luck!