



## First Level Maths and Numeracy

### Mental Maths Practice

#### Addition Dice Game

Use a dice to generate a 2-digit number. Try to add the two numbers together quickly in your head. You might play this as a competition with a grown-up or sibling.

#### Addition to 100 Card Game

This is a two or more-player game. Each player starts with a score of zero. Take turns drawing a card from the pack, then add the value of each card to your score.

#### Doubles!

Roll a dice or use an online number generator to generate a number, then double it. See how many you can get correct in a time limit. To challenge yourself, continue to make the starting number bigger.

#### Time Tables Card Game

Use playing cards (real ones or a virtual pack) to practise your times tables. Turn two cards over from the pack at a time and times one number by the other. You could use a timer to see how many you can complete in a given time, then try to beat your score.

#### Subtraction Card Game

This is a two or more-player game. Each player starts with a score of 100. Take turns drawing a card from the pack, then subtract the value of each card to your score. Any player who goes below zero is out of the game. The winner is the last one standing!

#### Sumdog

Play a game on Sumdog to practice a range of mental maths activities and calculations.

#### Topmarks

Use Topmarks' Daily Ten game to practise a range of mental maths calculations.

<https://www.topmarks.co.uk/mathsgames/daily10>

#### Bingo

Make simple bingo cards with number facts to 10, 20 or 100.

#### Times Tables Dice Game

Roll the dice to make two single digit numbers. Multiply the numbers together.

Time yourself to see how many you can get correct in one minute, then try to beat your score!

The following Chilli Challenges cover the four operations and will help you to practise problem solving skills and the strategies you have been learning in class. You can also create similar calculations to solve once you are finished these.

### Addition

Choose a Chilli Challenge and solve using your favourite strategy.

			
$12 + 8 =$	$43 + 32 =$	$345 + 472 =$	$5437 + 7865 =$
$23 + 10 =$	$56 + 36 =$	$564 + 732 =$	$5387 + 6534 =$
$15 + 7 =$	$54 + 29 =$	$205 + 876 =$	$7654 + 9745 =$
$4 + 6 =$	$43 + 72 =$	$489 + 654 =$	$4387 + 9558 =$
$2 + 9 =$	$62 + 37 =$	$672 + 765 =$	$8721 + 9453 =$
$7 + 7 =$	$67 + 25 =$	$349 + 852 =$	$9765 + 4509 =$

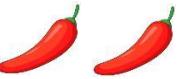
### Subtraction

Choose a Chilli Challenge and solve using your favourite strategy.

			
$8 - 5 =$	$44 - 32 =$	$986 - 492 =$	$8743 - 7005 =$
$30 - 10 =$	$67 - 34 =$	$893 - 532 =$	$7652 - 6534 =$
$15 - 3 =$	$65 - 19 =$	$398 - 246 =$	$8675 - 3402 =$
$24 - 6 =$	$54 - 32 =$	$621 - 604 =$	$5439 - 2558 =$
$18 - 9 =$	$76 - 38 =$	$672 - 320 =$	$6734 - 4329 =$
$20 - 7 =$	$97 - 25 =$	$876 - 752 =$	$4536 - 2348 =$

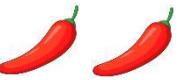
## Division

Choose a Chilli Challenge and solve using your favourite strategy.

			
$16 \div 2 =$	$15 \div 3 =$	$35 \div 7 =$	$46 \div 8 =$
$20 \div 2 =$	$9 \div 3 =$	$40 \div 8 =$	$24 \div 5 =$
$15 \div 3 =$	$35 \div 5 =$	$28 \div 7 =$	$59 \div 8 =$
$5 \div 5 =$	$20 \div 5 =$	$35 \div 5 =$	$14 \div 10 =$
$10 \div 5 =$	$16 \div 4 =$	$21 \div 7 =$	$19 \div 3 =$
$10 \div 2 =$	$24 \div 4 =$	$56 \div 8 =$	$16 \div 7 =$

## Multiplication

Choose a Chilli Challenge and solve using your favourite strategy.

			
$2 \times 3 =$	$4 \times 6 =$	$9 \times 4 =$	$28 \times 3 =$
$4 \times 3 =$	$5 \times 8 =$	$5 \times 9 =$	$74 \times 5 =$
$2 \times 7 =$	$7 \times 4 =$	$7 \times 6 =$	$35 \times 4 =$
$5 \times 4 =$	$5 \times 7 =$	$8 \times 9 =$	$61 \times 4 =$
$6 \times 2 =$	$9 \times 4 =$	$8 \times 7 =$	$32 \times 2 =$
$5 \times 3 =$	$9 \times 5 =$	$6 \times 8 =$	$43 \times 2 =$

## **Maths Activities**

<b><u>Symmetry Hunt</u></b>  Go on a symmetry hunt around your house, make a list of all the objects you find that have at least one line of symmetry. Make a note of how many lines of symmetry each object has.	<b><u>Shape Hunt</u></b>  Find 5 2D shapes and 5 3D shapes around your home. Record the number of faces, sides, edges and vertices each of the shapes have.	<b><u>Kitchen Measuring</u></b>  When cooking or baking, use scales to weigh ingredients. Record what you weigh and the amount. Remember to use the correct unit of measurement.
<b><u>Tiling</u></b>  Find five different 2D shapes in your house. Then, use those shapes to tile an area if you can, firstly on their own and secondly using two of them at a time. Have a think what you could use your tiling pattern for e.g. pattern for an ornament etc.	<b><u>Time Me!</u></b>  Play with a family member or a friend. Find a timer device and set it to 30 seconds. Take it in turns to time each other doing different activities such as star jumps, seeing how high you can count up, jumping up and down a stair. Record your results and see who wins in the end!	<b><u>Make a Dice</u></b>  Using the net of a cube, make a 3D dice. You will need to use 6 equally sized squares. Remember to draw on the dots!