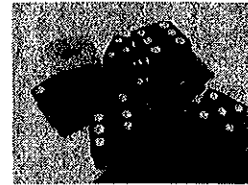


Dice games



Stage	Why play this game?	Game
Kindergarten	Recognising numbers and counting	<p align="center">Collect 10</p> <p>A game for pairs of students, with each student having a regular dice (the dice used for this game can be varied according to the needs of the students). Counters are also required. The players roll the dice and the player with the higher number showing scores a counter; if both throw the same number they both score a counter. The first player to collect 10 counters is the winner.</p> <p>Variations</p> <ul style="list-style-type: none"> • The player with the lower number scores the counter each time. • Start with ten counters and the player with the higher number on the roll of the dice takes away this number of counters. The first player to have no counters is the winner.
Kindergarten Year 1	Addition	Same as Collect 10 above, but each student has 2 regular dice and the total is obtained by adding the numbers rolled.
Year 1 - 2	Addition	<p>Same as Collect 10 above, but the total is obtained by adding three regular dice.</p> <p>Note: Encourage the students to find quicker ways of adding the numbers.</p> <ol style="list-style-type: none"> 1. Doubles, eg $4 + 4$ 2. Doubles plus one, eg $4 + 5$ ($4 + 4 + 1$) 3. Doubles less one, eg $4 + 3$ ($4 + 4 - 1$) 4. Combinations to 5, eg $1 + 4$ 5. Combinations to 10, eg $6 + 4$

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Year 1 - 2	Addition	<p style="text-align: center;">Cross out</p> <p>Cross out is an activity for two students. Each student writes the numbers 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12 on a piece of paper. They take turns to roll two regular dice, add both numbers rolled and cross out the total on their piece of paper. The first player to cross out all the numbers is the winner.</p>																														
Year 2 - 6	Subtraction	<p style="text-align: center;">Take 100</p> <p>Each student begins with 100 points. In turn, students roll a regular dice and subtract the number from their 100 points. The first player to reach zero is the winner.</p> <p>Variations</p> <ul style="list-style-type: none"> • Change the number of points to begin. • The students may roll two regular dice and either add or multiply the numbers together before subtracting from the total. 																														
Year 2 - 4	Addition	<p style="text-align: center;">Make 24</p> <p>This game for individuals requires only 1 dice. The player throws the dice repeatedly, listing the numbers thrown in columns as follows.</p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="padding: 0 10px;">1</td> <td style="padding: 0 10px;">2</td> <td style="padding: 0 10px;">3</td> <td style="padding: 0 10px;">4</td> <td style="padding: 0 10px;">5</td> <td style="padding: 0 10px;">6</td> </tr> <tr> <td colspan="6" style="border-top: 1px solid black; padding-top: 5px;"></td> </tr> <tr> <td style="padding: 0 10px;">1</td> <td style="padding: 0 10px;">2</td> <td></td> <td style="padding: 0 10px;">4</td> <td></td> <td style="padding: 0 10px;">6</td> </tr> <tr> <td></td> <td style="padding: 0 10px;">2</td> <td></td> <td style="padding: 0 10px;">4</td> <td></td> <td></td> </tr> <tr> <td></td> <td style="padding: 0 10px;">2</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>The player has to keep a running total of each column in their head and stop when one of the columns reaches exactly 24 (The fifth column will never reach 24). Players play the game several times and compare their findings.</p>	1	2	3	4	5	6							1	2		4		6		2		4				2				
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Year 4 - 8	Addition Subtraction	<p style="text-align: center;">Make 100</p> <p>An activity for two players.</p> <p>Equipment: two regular dice, paper and pencil</p>																														

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	Multiplication Division	<p>The aim is to make a total of 100 or as close to 100 as possible. Players take turns to roll the two dice and combine the numbers with any operation to produce a score. The player who reaches 100 or is closest to 100 is the winner. Encourage players to record their choices and calculations. For example:</p> <table border="1" data-bbox="592 621 1475 1035"> <thead> <tr> <th>Dice throw</th> <th>Calculation</th> <th>Running total</th> </tr> </thead> <tbody> <tr> <td>4 and 6</td> <td>$4 \times 6 = 24$</td> <td>24</td> </tr> <tr> <td>1 and 4</td> <td>$1 + 4 = 5$</td> <td>29</td> </tr> <tr> <td>2 and 5</td> <td>$2 \times 5 = 10$</td> <td>39</td> </tr> <tr> <td>6 and 6</td> <td>$6 \times 6 = 36$</td> <td>75</td> </tr> <tr> <td>5 and 3</td> <td>$5 \times 3 = 15$</td> <td>90</td> </tr> <tr> <td>2 and 3</td> <td>$2 + 3 = 5$</td> <td>95</td> </tr> <tr> <td>6 and 1</td> <td>$6 - 1 = 5$</td> <td>100</td> </tr> </tbody> </table>	Dice throw	Calculation	Running total	4 and 6	$4 \times 6 = 24$	24	1 and 4	$1 + 4 = 5$	29	2 and 5	$2 \times 5 = 10$	39	6 and 6	$6 \times 6 = 36$	75	5 and 3	$5 \times 3 = 15$	90	2 and 3	$2 + 3 = 5$	95	6 and 1	$6 - 1 = 5$	100
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Year 4 - 8	Multiplication Division	<p style="text-align: center;">Double, halve or stay</p> <p>An activity for two to four players</p> <p>Equipment: two different coloured regular dice</p> <p>Decide on one coloured dice to represent the tens and the other to represent the ones. Choose a target number between 5 and 122. Players take turns to roll the dice. Once the dice are rolled a number is formed. The player then makes a decision to produce a number that is as close as possible to the target number. They can choose to:</p> <ul style="list-style-type: none"> • double their number • halve their number • keep the number as is <p>The player closest to the target is the winner.</p>																								
Year 4 - 8	Addition Subtraction Multiplication	<p style="text-align: center;">Total three</p> <p>An activity for two players.</p> <p>Equipment: two regular dice, paper and pencil</p> <p>Players take turns to roll the two dice and complete the following calculations on each roll:</p>																								

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