

Dice games



Stage	Why play this	Game
	game?	Collect 10
Kindergarten	Recognising numbers and counting	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
	Ū.	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.
		Variations
		• 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	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	 Same as <i>Collect 10</i> above, but the total is obtained by adding three regular dice. Note: Encourage the students to find quicker ways of adding the numbers. 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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Stage	Why play this game?	Game		
		Cross out		
Year 1 - 2	Addition	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.		
X 0.0		Take 100		
Year 2 - 6	Subtraction	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.		
		Variations		
		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.		
		Make 24		
Year 2 - 4	Addition	This game for individuals requires only 1 dice. The player throws		
		the dice repeatedly, listing the numbers thrown in columns as		
		follows.		
		1 2 3 4 5 6		
		2 4		
		2		
		_		
		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.		
		Make 100		
Year 4 - 8	Addition	An activity for two players.		
	Subtraction	Equipment: two regular dice, paper and pencil		
	Cubildollon			



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Stage	Why play this game?		Game		
	Multiplication	The aim is to make a total of 100 or as close to 100 as possible.			
	Division	Players take turns to r	oll the two dice and co	ombine the numbers	
		with any operation to	produce a score. The p	player who reaches	
		100 or is closest to 100 is the winner. Encourage players to record			
		their choices and calculations. For example:			
		Dice throw	Calculation	Running total	
		4 and 6	4 x 6 = 24	24	
		1 and 4	1 + 4 = 5	29	
		2 and 5	2 x 5 = 10	39	
		6 and 6	6 x 6 = 36	75	
		5 and 3	5 x 3 = 15	90	
		2 and 3	2 + 3 = 5	95	
		6 and 1	6 – 1 = 5	100	
			Double, halve or stay	1	
Year 4 - 8	Multiplication	An activity for two to four players			
	Division	Equipment: two different coloured regular dice			
		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:			
		double their numberhalve their number			
		keep the number as is			
		The player closest to t	the target is the winner	r.	
		Total three			
Year 4 - 8	Addition	An activity for two players.			
	Subtraction	Equipment: two regular dice, paper and pencil			
	Multiplication	Players take turns to roll the two dice and complete the following			
		calculations on each r	oll:		



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Stage	Why play this game?	Game		
	gamoi	add the two numbers shown on the dice		
		find the difference between the two numbers		
		multiply the two numbers		
		add the three numbers to produce the score for that round		
		For example		
		6 + 3 = 9		
		6-3=3		
		6 x 3 = 18		
		Score = 9 + 3 + 18		
		= 30		
		After 10 rounds the player with the highest total is the winner.		
		To make the activity more challenging change the type of dice		
		Cross out 9		
Year 2 - 6	Addition	An activity for two to four players.		
	Strategy	Equipment: two regular dice, paper and pencil		
		Each player writes the numbers 1 to 9 on a piece of paper. The		
		first player rolls the two dice then crosses out the numbers shown on the dice or the sum of the two numbers.		
		For example		
		On this roll, the player may		
		cross out 2, 3 or 5 (2 + 3).		
		When six numbers or less are left only a single dice is used. The		
		player's turn continues until they cannot cross off any more		
		numbers. The remaining numbers are totaled and this is the score		
		wins.		

