



Can you find...?

You will need:

- a score card and pencil for each player
- two dice (1 – 6 spot)

Taking turns, each player rolls the two dice. Looking at the numbers generated, can you place the two numbers under Game 1 on the same row?

After each pair of numbers has been written down on the score card, they cannot be moved.

Score 1 point for every statement satisfied.

There are ten rolls per game.

Player 1 rolled a 3 and 1. These numbers have a difference of 2, so they can be written on the game card.

| Can you find....? | Game 1 | Game 2 | Game 3 |
|-------------------------|----------|--------|--------|
| Difference of 2 | 3 | 1 | |
| Both numbers even | 6 | 2 | |
| Both numbers odd | 3 | 5 | |
| One twice the other | 1 | 2 | |
| Sum greater than 10 | 6 | 5 | |
| Factors of 12 | | | |
| Second double the first | | | |
| Difference of 3 | 5 | 2 | |
| Sum of 8 | 4 | 4 | |
| Sum of 10 | | | |
| Total | 7 | | |

Player 1 rolled a 6 and 6. "Both numbers are even" and a "Sum greater than 10" have already been used and have numbers written in the boxes from previous rolls, so player 1 misses a go. After taking turns and rolling the dice ten times, player 1 has managed to satisfy 7 statements, so their score is 7. The winner is the player who

- wins the most games or
- the winner with the greatest total after three games.

| Can you find....? | Game 1 | | Game 2 | | Game 3 | |
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| Can you find....? | Game 1 | | Game 2 | | Game 3 | |
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| Can you find....? | Game 1 | | Game 2 | | Game 3 | |
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| Can you find....? | Game 1 | | Game 2 | | Game 3 | |
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| Total | | | | | | |

Can you find statements to use with this activity

- The dice rolled have a difference of 1
- The dice rolled have a difference of 2
- The dice rolled have a difference of 3
- The dice rolled have a difference of 4
- The dice rolled have a difference of 5
- The sum of the dice is a multiple of 2
- The sum of the dice is a multiple of 3
- The sum of the dice is a multiple of 4
- The sum of the dice is a multiple of 5
- The sum of the dice is a multiple of 6
- Both numbers rolled are odd
- Both numbers rolled are even
- The sum of the dice is 2
- The sum of the dice is 3
- The sum of the dice is 4
- The sum of the dice is 5
- The sum of the dice is 6
- Double (e.g. 5 + 5)
- A near double (e.g. 4 + 5)
- The sum is greater than 6
- The sum is greater than 10
- The sum is fewer than 5
- The sum is fewer than 10
- The dice rolled are factors of 6
- The dice rolled are factors of 8
- The dice rolled are factors of 10
- The dice rolled are factors of 12
- The sum is divisible by 2
- The sum is divisible by 3
- The sum is divisible by 4
- The sum is divisible by 5
- The sum is divisible by 6
- One dice is twice the value of the first dice.
- Sum of the dice is a prime number