

Counting on 1, 2 or 3

Target Strategies

- ✓ Subitising
- ✓ Breaking the counting sequence
- ✓ Counting on 1, 2 or 3

Preparation

Use the Set Up screen to select '2 dice' and only the count on Secret Code.

Laminate copies of Teaching Resource 1 to make three mini-whiteboards that can be used for recording.

<input checked="" type="checkbox"/> Dice 1 to 6	<input checked="" type="checkbox"/> count on
<input type="checkbox"/> Dice 1 to 9	<input type="checkbox"/> double
Number of dice to use	<input type="checkbox"/> rainbow fact
2 dice	<input type="checkbox"/> near double
	<input type="checkbox"/> friendly number
OK	<input type="checkbox"/> bridge through 10

Closed Questions

Show the students two dice in the display box and ask them how they could work out, without counting all the dots, how many dots they can see altogether. Focus on subitising and counting on and involve the students in explaining why we do not need to count the first dice again. After one or two rehearsals, pose questions such as the following to match the dice each time.

Look quickly! What number should we count on from?

Look quickly! How much do we need to count on?

Subitise the first dice and count on to find how many dots altogether

The students can use the mini-whiteboards from Teaching Resource 1 to show their understanding.

Open questions

Use the record sheet for questions such as the following but matched to the hidden dice on the screen. Blank the screen, make a throw and reveal the dice to yourself. Then hide the dice and turn the screen back on, so that you begin with the dice hidden.

I saw 5 dots on my 2 dice. How many dots might be on each?

I have a count on 2. How many dots might I have on each of my two dice?

Flip Questions

Play *Guess the hidden dice*. Hide two dice in the display box and allow time for the students to ask yes or no questions to find out which dice they are. Questions could include questions about the properties of the dice as in the earlier game or about the count on, for example:

Is your second dice a count on 2?

Can you see 5 dots altogether?

Is there a dot in the middle of one of your dice?