Session 4 and 5 LO: To be able to reason mathematically (odd and even).
Please provide four number sentences to either prove or disprove the statements.

EXAMPLE – If I add three odd numbers together the answer is always odd.
(True) or false?

$$5 + 5 + 5 = 15$$
$$13 + 13 + 13 = 39$$
$$7 + 7 + 7 = 21$$
$$25 + 25 + 25 = 75$$

Statement One - If you add two odd numbers together the answer is always odd. True or false?

Statement Two - If you double an odd number the answer is always even. True or false?

Statement Three - If you halve any even number the answer is always odd. True or false?

Statement 4: If you add three even numbers together you always get an odd answer. True or false?

Statement Five - If you divide any even number by an even number the answer is always even. True or false?

Statement Six - When I add two consecutive numbers together the answer will always be odd.
True or false? (Explain to your child that consecutive means next to … 7,8 or 12,13 or 21,22)

Statement 7 – Fifty, seventy and ninety are odd numbers?
True or false? (hint ÷ 2 or half)

Statement 8 – If I add 3 two-digit numbers together the answer is always even.
True or false? (e.g. 25 + 13 + 11 =)