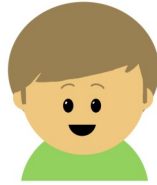


Deepening Understanding - Always, Sometimes or Never?

Year 4: Number: Multiplication and Division

Always, Sometimes or Never?

Jerry says, "When you multiply two numbers you will always get a bigger number."



Always, Sometimes or Never?

Multiplying by 20 is the same as multiplying by 10 and doubling the answer.

Always, Sometimes or Never?

Odd \times even = even

Always, Sometimes or Never?

Marlon believes, "I can divide any number by 2 and get a whole number."



Always, Sometimes or Never?

Millie states, "Any number multiplied by 1 is bigger than 1."



Always, Sometimes or Never?

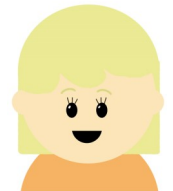
Any number multiplied by zero equals zero.

Always, Sometimes or Never?

Even \times even = even

Always, Sometimes or Never?

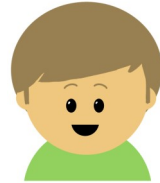
"Multiplying is the opposite of dividing," claimed Jane.



Deepening Understanding - Always, Sometimes or Never?

Year 4: Number: Multiplication and Division Answers

Sometimes. If you multiply decimals you get a smaller number. If you multiply by 1 then the number stays the same.



Always. Multiplying by 10 then doubling is the same as multiplying by 20 as there are two lots of 10 in 20.

Always. An even number multiplied by an odd number will be even.

Sometimes. Even numbers divide by 2 to give a whole number but odd numbers divided by 2 give a decimal answer.



Always. When you multiply by a number greater than 1, you get an answer that is greater than the original number. (Not including 0).



Always. $2 \times 0 = 0$ which means, you are multiplying '2' zero times, effectively multiplying nothing.

Always. E.g. $4 \times 2 = 8$

Always. Division is the opposite of multiplying. When we know a multiplication fact we can find a division fact or vice versa.

