

Maths

Multiplication and Division



Maths | Year 5 | Multiplication and Division | Mental Strategies | Lesson 3 of 4: Build It

Build It



Aim

• I can use known facts to multiply and divide mentally.

Success Criteria

- I use factors to make multiplication and division calculations easier.
- I can multiply by 9 and 11 by multiplying by 10 and adjusting.
- I can multiply by 5 by multiplying by 10 and halving.
- I can multiply by 50 by multiplying by 100 and halving.



The Fifteen Times Table



Can you help Billy Builder with his multiplication?





Multiplying by Nine

Let's calculate 56 × 9.





Multiplying by Eleven

Let's calculate 74 × 11.





Multiplying by Five and Fifty

We can multiply by 5 by multiplying by 10 and halving.





Fantastic Factors

We can also use the relationships between factors to make mental calculations easier.





Fantastic Factors

If we want to divide a number by 6, we could think about the factors of 6 which are easy to calculate.





Fantastic Factors

This strategy also works for multiplication.





Build It



Use your marvellous maths skills to complete these activities:





Next Steps



What do you know now that you didn't know at the start of the lesson?





Aim

• I can use known facts to multiply and divide mentally.

Success Criteria

- I use factors to make multiplication and division calculations easier.
- I can multiply by 9 and 11 by multiplying by 10 and adjusting.
- I can multiply by 5 by multiplying by 10 and halving.
- I can multiply by 50 by multiplying by 100 and halving.



