

Maths

Multiplication and Division

Maths | Year 3 | Multiplication and Division | Multiplication | Lesson 1 of 4: Multiplication Magic



Aim

• I can multiply multiples of 10 using Multiplication Magic.

Success Criteria

- I can draw the wizard's hat to join the facts.
- I can calculate the facts using multiplication tables.

Beat the Clock



Your teacher will tell you which columns to complete. The stopwatch will stop after **5 minutes**.

If you finish before the clock, shout **'finished!**' and your teacher will tell you your time. Write this at the top of the sheet.

When your work is marked your teacher will give you a score.

If you didn't get all the questions right, next time focus on improving your score.

If you got them all correct - well done! Next time try to improve your time or choose a more tricky multiplication table.

Remember that you are racing against yourself. Don't worry about what your friends are doing!

Beat the Clock



My target for next time is _



Multiplication Magic is special trick that makes multiplying numbers in the 10× table really easy.



Draw the Hat to Find the Fact



Draw the wizard's hat to find the facts to calculate.

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60 × 4



Use your multiplication facts to calculate.



Use your multiplication facts to calculate.



The Maths Behind the Magic

How does Multiplication Magic work?

40 × 3 =

We look for the facts and ignore the tens, so we calculate:

 $4 \times 3 = 12$

However, 4 really means 40, not 4. Therefore, we need to move the digits one place to the left and add a zero as a place holder.

So 40 × 3 = 120

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	1	Q



When we calculate 4×5 , the answer already ends in a zero.

Does this change anything?



Now It's Your Turn To Use Multiplication Magic



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Now you try :

$$50 \times 8 = ?$$

 $3 \times 60 = ?$

Challenge: 30 × 40 = ? 20 × 80 = ? 90 × 30 = ?



Remember

- Draw the wizard's hat.
- Use your multiplication facts to calculate.

 $5 \times 8 = 40$ $50 \times 8 = 400$ $50 \times 80 = 4000$ $500 \times 80 = 40000$

Multiplication Magic Activity



Diving into Mastery

Dive in by completing your own activity!



What Is Multiplication Magic?



How do you use the Multiplication Method? Explain to your partner.



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