



Maple Maths Mastery Challenge



*What came before? What comes next?
Explain how you know.*

5, __, 15, 20, __, 30 __, __



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*Can you explain what is wrong here and
correct the error?*

$$5 \times 2 = 2 \times 6$$



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*If this is the answer,
what could the question have been?*

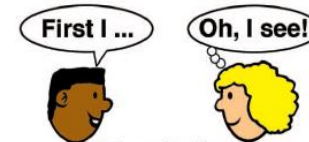
20

is the answer...

What is the question?



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Explain

Explain to your partner how you know.
Remember to use the star words!

EVEN NUMBERS
can always be divided by 2.



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What goes in the empty box(es) in these equations?

$$\square \times \square = 10$$

$$20 = \square \times \square$$



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Odd one out



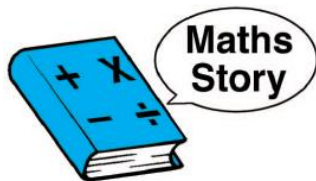
Find an odd one out and explain why it doesn't fit.

Does your partner agree with you?

Could another one be the odd one out? Why?



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Make up a real-life story using your equation.
Try to use the star words.

$$3 \times 5 = 15 \text{ or}$$

Double 6 is 12



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Can you see a pattern (in the numbers)?

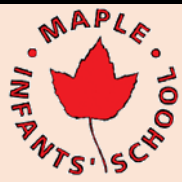
Can you see a pattern in the answers?

Continuing this pattern, what would happen if...?

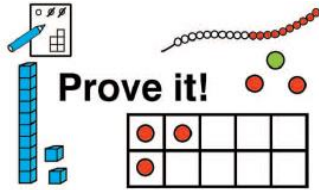
16, 18, 20, 22

or

30, 25, 20, 15



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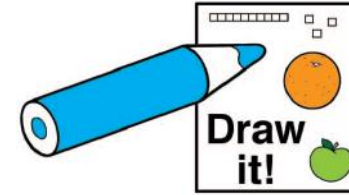
Prove it!

Convince me that you are right.

Half of 16 = Double 4



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**Draw
it!**

Draw a picture to explain or demonstrate
what you have worked out.

$$5 \times 5 = \square$$