

Activity 5: Challenge time!!

- Let's use everything we have done this week to try these challenges!

On sports day, Jack runs 10 metres, 7 times.



Which of these calculations do not describe this word problem?

$$10 + 7$$

$$7 \times 10$$

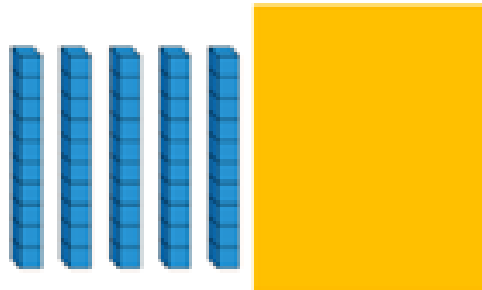
$$7 + 7 + 7 + 7 + 7 + 7 + 7 + 7 + 7 + 7$$

$$10 + 10 + 10 + 10 + 10 + 10 + 10$$

Some Base 10 is hidden.

The total is less than 100

What could the calculation be?



$$\underline{\quad} \times 10 = \underline{\quad}$$

Tim says it could be 10×10

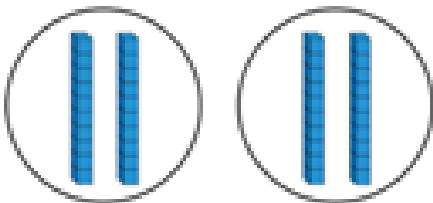
Is he correct? Explain your answer.

Jack says,



I can work out $40 \div 2$ easily because I know that 40 is the same as 4 tens.

This is what he does:



$$40 \div 2 = 20$$

Is it possible to work out $60 \div 3$ in the same way?

Prove it.

Is it possible to work out $60 \div 4$?

What is different about this calculation?

Alex has 20 sweets and shares them between 5 friends.



Tommy has 20 sweets and shares them between 10 friends.

Whose friends will receive the most sweets?

How do you know?

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