



# Chilli Challenges - 2/2/21

Answer at least one challenge question.

Self-assess your learning with the answers. No Peeking!

## Mild Green Chilli



Each of these calculations have the same quotient (answer)

$$84 \div 7 =$$

$$36 \div 3 =$$

$$96 \div 8 =$$

## Hot Yellow Chilli

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Dora is calculating  $72 \div 3$

Before she starts, she says the calculation will involve an exchange.

Do you agree?

Explain why.

## Spicy Red Chilli

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Eva has 96 sweets.

She shares them into equal groups.

She has no sweets left over.

How many groups could Eva have shared her sweets into?

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## Answers

True

$$84 \div 7 = 12$$

$$36 \div 3 = 12$$

$$96 \div 8 = 12$$

Dora is calculating  $72 \div 3$   
Before she starts, she says the calculation will involve an exchange.

Do you agree?  
Explain why.

Dora is correct because 70 is not a multiple of 3 so when you divide 7 tens between 3 groups there will be one remaining which will be exchanged.

Eva has 96 sweets.  
She shares them into equal groups.  
She has no sweets left over.  
How many groups could Eva have shared her sweets into?

Possible answers

$$96 \div 1 = 96$$

$$96 \div 2 = 48$$

$$96 \div 3 = 32$$

$$96 \div 4 = 24$$

$$96 \div 6 = 16$$

$$96 \div 8 = 12$$