Divide a 3-Digit Number by a 1-Digit Number

1) For each place value chart, copy and complete the matching representations.

a)

H	T	O
100	10 10	1
100	10 10	1
100	10 10	1

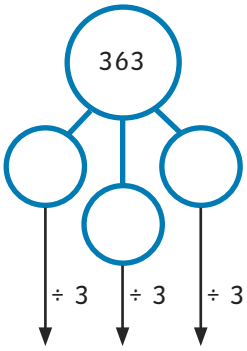
363 ÷ 3 = _____

___ hundreds ÷ 3 = ___

___ tens ÷ 3 = ___

___ ones ÷ 3 = ___

___ + ___ + ___ = ___



____ + ____ + ____ = ____

b)

H	T	O
100 100	10 10 10 10 10	1
100 100	10 10 10 10 10	1

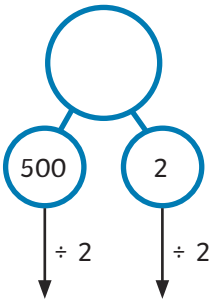
100

_____ ÷ _____ = _____

___ hundreds ÷ 2 = ___

___ ones ÷ 2 = ___

___ + ___ = ___



_____ + _____ = _____

2) Solve these calculations.

a) 846 ÷ 2

b) 768 ÷ 4

c) 575 ÷ 5

d) 859 ÷ 6

Scan here for help!

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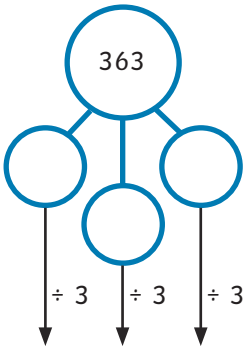

____ + ____ + ____ = ____

b)

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100 100	10 10 10 10 10	1

100

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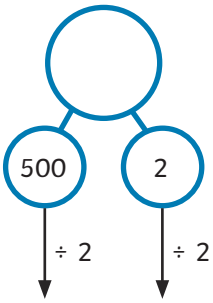

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Divide a 3-Digit Number by a 1-Digit Number

1) Is Priya's statement true or false?
Explain your answer.

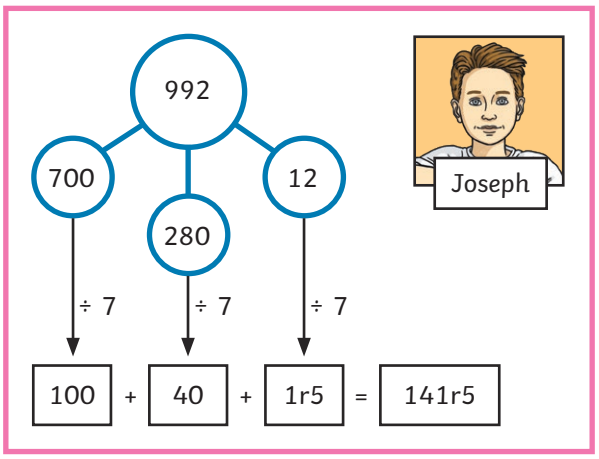
A three-digit number must be partitioned into three parts when it is being divided.
This is because it has three digits.

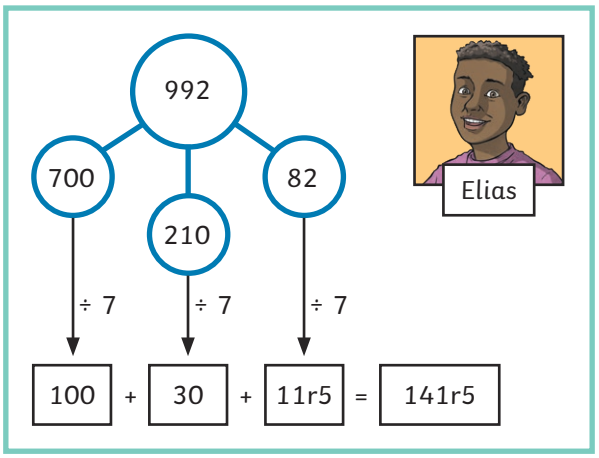
2) Which do you think is the odd one out?
Explain your answer.

A	648 ÷ 2	**B**	848 ÷ 7
C	999 ÷ 3	**D**	896 ÷ 4

3) Joseph and Elias have been solving the calculation 992 ÷ 7.

a) Explain what is the same and what is different about their calculation methods.





b) Draw a part-whole model to show how to solve it a different way.

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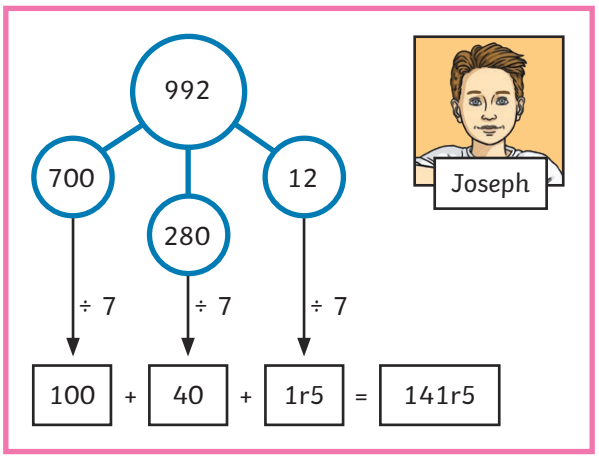

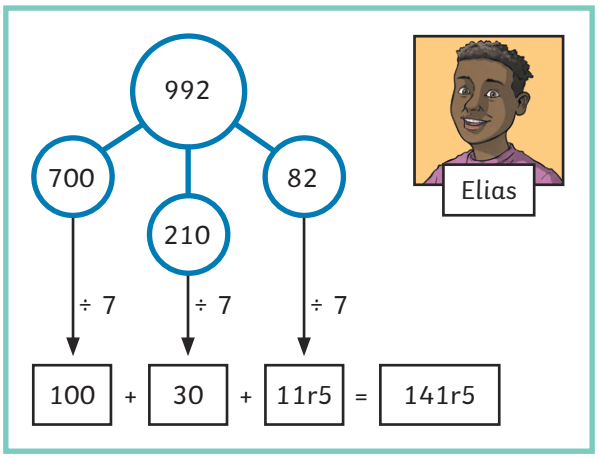

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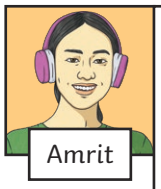
Divide a 3-Digit Number by a 1-Digit Number

1) Use the clues to work out Amrit's number.



My number is a 3-digit number less than 200.

When my number is divided by 2, there is a remainder of 1.

When my number is divided by 3 or 7, there is no remainder.

My number has no tens.

2) Twinkl bakery have made 679 cupcakes and are going to package them ready to sell.

Complete the table.
Then, use it to decide which size box would be the best and explain why.

Type of Box	Cupcakes per Box	Full Boxes	Cupcakes Left Over
			
			
			
			
			
			

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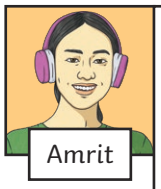

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