1) Complete each calculation in the table.

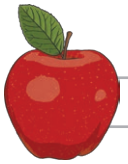
Calculation	Place Value Counters	Part-Whole Model
a) 408 ÷ 4 = ☐	H: 100 100 100 100 · T: · O: 1 1 1 1 1 1 1 1	408 ÷ 4 = ☐ → 400 ÷ 4 = ☐ ; 8 ÷ 4 = ☐
b) ☐ ÷ 3 = ☐	H · T · O	☐ ÷ ☐ = ☐ → 600 ÷ 3 = ☐ ; 7 ÷ 3 = ☐ ; 30 ÷ 3 = ☐
c) ☐ ÷ ☐ = ☐	H: 100 100 100 100 100 · T: 10 10 10 10 / 10 10 10 10 / 10 10 10 10 / 10 10 10 10 · O: 1 1 1 1 · R: 1	☐ ÷ ☐ = ☐ → ☐ ÷ ☐ = ☐ ; ☐ ÷ ☐ = ☐ ; ☐ ÷ ☐ = ☐

2) Complete the calculations using the part-whole model.

a) 684 ÷ 5 = ☐ **b)** 977 ÷ 6 = ☐ **c)** 739 ÷ 8 = ☐ **d)** 47 ÷ 4 = ☐

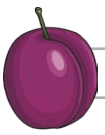
3) Solve this word problem using part-whole models and flexible partitioning.

A farmer is harvesting the fruits from his orchard and packing them into trays of 8. He picks 561 apples, 992 pears and 708 plums.



561 apples

992 pears



708 plums

a) How many full trays of each fruit will the farmer send to the supermarket?

Apples: _____

Pears: _____

Plums: _____

b) What was the total amount of remaining fruit? _____

1) Read the statement below. Is it always, sometimes or never true? 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 calculation's answer is closest to 300? Prove it!

a) 648 ÷ 2 = ☐ **b)** 999 ÷ 3 = ☐ **c)** 848 ÷ 8 = ☐ **d)** 896 ÷ 4 = ☐

3) The children have been solving the calculation 992 ÷ 7.
Explain what is the same and what is different about their calculation methods.

Mateus

992 ÷ 7 =141r5

700 ÷ 7 = 100

12 ÷ 7 = 1r5

280 ÷ 7 = 40

Olivia

992 ÷ 7 =141r5

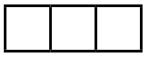
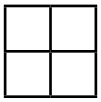
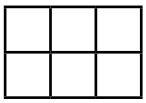
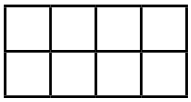
700 ÷ 7 = 100

82 ÷ 7 = 11r5

210 ÷ 7 = 30

1) The workers at the Twinkl bakery have baked 679 cupcakes and are going to package them ready to sell.

a) Complete the table.

Type of Box	Number of Cupcakes per Box	Total Number of Full Boxes	Number of Cupcakes Left Over
			
			
			
			
			
			

b) Twinkl bakery needs to decide which size box would be the best to use.

What would you suggest? Explain your answer.