Multiply and Divide by 6

1. Ben is organising pencils into 6 pencil pots.

He says,

I have 24 pencils. How many will go in each pencil pot?

Draw the correct number of pencils in the pencil pots and complete the calculations below.

A. ☐ ÷ ☐ = ☐ B. ☐ x ☐ = ☐

D

VF
HW/Ext

2. Match the calculation to the correct image.

A. 2 x 6

B. 5 x 6

C. 4 x 6

1. 

2. 

3. 

D

VF
HW/Ext

3. A baker has 12 cupcakes left to sell. The cupcakes come in packs of 6.

He says,

I have 3 packs of cupcakes left to sell.

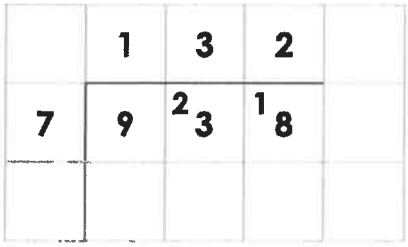
Explain the baker's mistake. Use the cupcakes to prove it.

D

RPS
HW/Ext

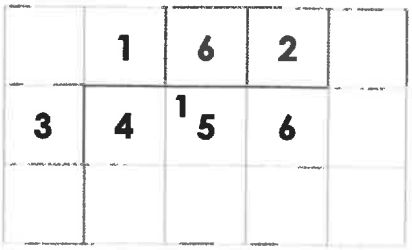
Short Division

1a. The calculation below is incorrect. Explain why.



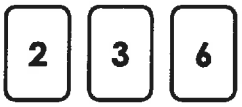
R

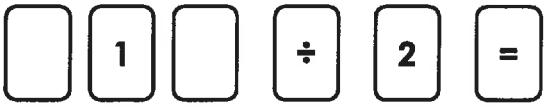
1b. The calculation below is incorrect. Explain why.



R

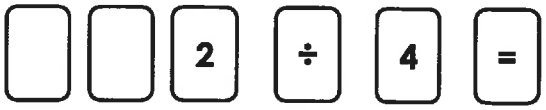
2a. Use two of the digit cards to create a calculation where the result has six ones. The number being divided must be greater than 215 and less than 600.





PS

2b. Use two of the digit cards to create a calculation where the result has no tens. The number being divided must be greater than 150 and less than 950.



PS

3a. At a conference there are 840 people and tables seat either 6, 7 or 8 people.

There are only 125 tables available and the organisers want to use as many tables as possible.

How many seats should they use at each table?

PS

3b. A school has 612 pupils. The headteacher is organising a treasure hunt and wants to arrange the pupils in groups of 3, 4 or 6.

Each group needs a compass and there are only 160 available in the school.

How many children should be in each group for the most compasses to be used?

PS