

- 1) Use your knowledge of multiples to help you solve these long division calculations:



$1044 \div 18 =$



1	8	1	0	4	4

$3936 \div 32 =$



3	2	3	9	3	6

$8372 \div 28 =$



2	8	8	3	7	2

- 2) Solve these division word problems:

- A bakery is making cakes. They are putting the cakes onto trays that can hold 48 cakes. How many trays will they need for 2592 cakes?
- A glass holds 85ml of grapefruit juice. My carton of juice has 3315ml left in it. How many glasses of grapefruit juice can I fill from this carton?
- A roll of ribbon is 4400cm long. A factory needs to cut the ribbon into pieces that are 55cm long. How many pieces of ribbon will the factory be able to cut from the roll?

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- 1) Ruben looks at this division calculation:

$1482 \div 19$

He has organised the problem into a long division calculation and says that he cannot complete the calculation as it will leave a remainder.

Ruben has made a mistake.



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Can you identify his mistake and complete the calculation to find the correct answer?

- 2) $1085 \div 35 = 31$

Selma thinks that she can use this division statement to find the answer to:

$1120 \div 35 =$

Is she correct? Explain your reasoning.

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- 1) When this four-digit number is divided by this two-digit number, the answer is 85.



$$\square\square\square\square \div \square\square = 85$$

What are the greatest possible numbers that could be used?

What are the smallest possible numbers that could be used?

- 2) Can you work out the missing numbers in this calculation using the clues?

$$\textcircled{A} \div \textcircled{B} = 72$$

A is between 1000 and 1500.

B is a two-digit number.

- 3) Can you make your own missing number long division calculation for a friend to solve?

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