1) Use your knowledge of multiples to help you solve these long division calculations:
$1044 \div 18=$

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| 1 | 8 | 1 | 0 | 4 | 4 |
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2) Solve these division word problems:
a) 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?

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$3936 \div 32=$

| 3 | 2 | 3 | 9 | 3 | 6 |
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b) A glass holds 85 ml of grapefruit juice. My carton of juice has 3315 ml left in it. How many glasses of grapefruit juice can I fill from this carton?

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$8372 \div 28=$



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c) A roll of ribbon is 4400 cm long. A factory needs to cut the ribbon into pieces that are 55 cm 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.


|  |  | 0 | 0 | 5 |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 1 | 9 | 1 | 4 | 8 | 2 |

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

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 .



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

What are the greatest possible numbers that could be used?


What are the smallest possible numbers that could be used?
$\square$
$\square$
$\square$
$\square$ $=85$
2) Can you work out the missing numbers in this calculation using the clues?
(A)
$\div$ B $=72$

A is between 1000 and 1500.
$B$ is a two-digit number.

| A | $B$ |
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3) Can you make your own missing number long division calculation for a friend to solve?

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