

- 1) Match each division question with its place value representation and short division calculation. Then, work out the missing digits in the calculation.



A $3674 \div 3 = 1224r2$

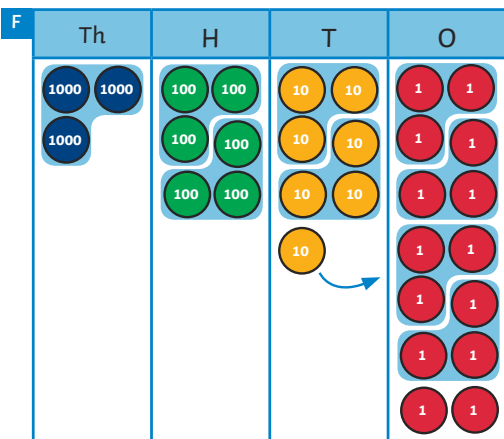
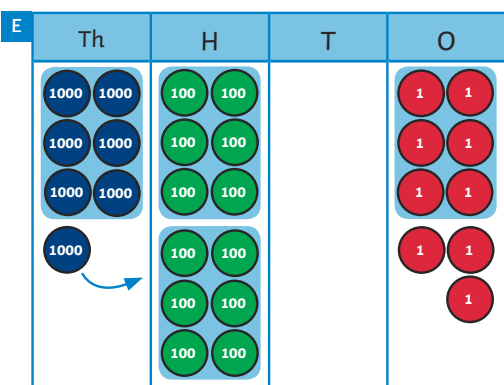
B $7209 \div 6 = 1201r3$

C

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|---|---|---|---|---|--|--|
| | | | | | | |
| 6 | 7 | 2 | 0 | 9 | | |

D

| | | | | | |
|---|---|---|---|----------------|----|
| | 1 | 2 | 2 | 4 | r2 |
| 3 | 3 | 6 | 7 | ¹ 4 | |



- 2) A chocolate factory has made 2459 chocolate eggs. They pack them in trays of 4.

- How many full trays will there be?
- How many trays will the factory use?
- How many more eggs will be needed to fill the final tray?



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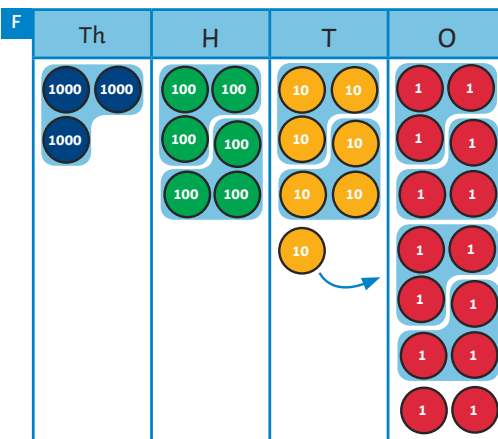
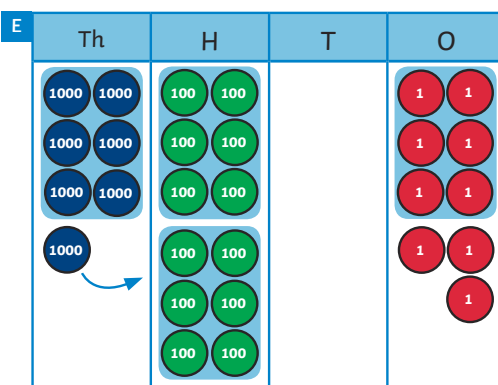
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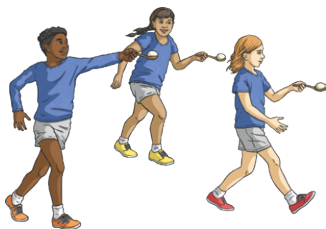
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- 1) Twinkl High School has 1249 pupils. The children are being put in to 4 teams ready for Sports Day. Freddie says $1249 \div 4 = 312r1$ so there will be 312r1 people in each team.



Do you agree? Explain your thinking.



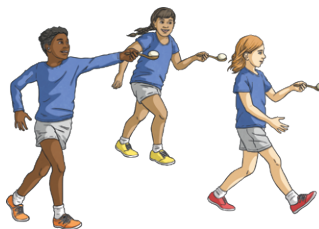
- 2) Using the last question as an example, write your own maths story where the remainder has to be rounded up. Then, write another maths story where the remainder has to be rounded down.

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- 1) Choose a divisor and a dividend from the lists below. Predict whether your answer will have a remainder or not. Can you explain your reasons? Carry out a short division to check each prediction.



| Divisor | Dividend |
|---------|----------|
| 3 | 1440 |
| 4 | 2606 |
| 5 | 3750 |
| 6 | 4203 |
| | 7925 |
| | 9324 |

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