

1 Max is using a place value chart to work out $844 \div 4$

a) Talk about Max's method with a partner.

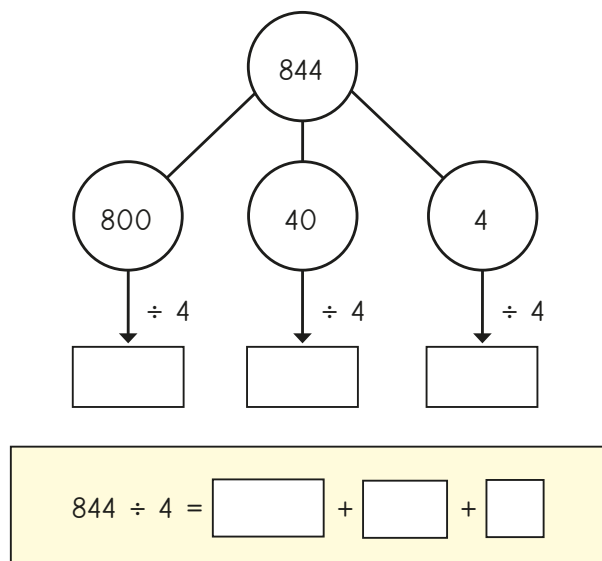
H		T	O
100	100	10	1
100	100	10	1
100	100	10	1
100	100	10	1

b) Work out the division.

2 Work out the divisions.

- a) $525 \div 5$ b) $636 \div 6$ c) $840 \div 8$ d) $903 \div 3$

3 Eva is using a part-whole model to work out $844 \div 4$

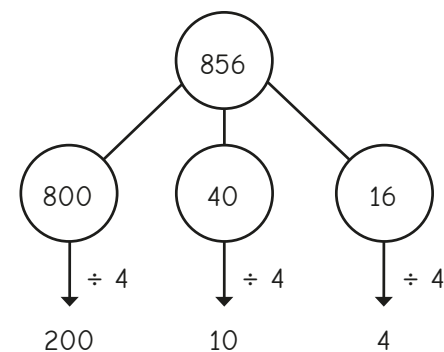


a) Complete Eva's workings.

b) Work out the division.

4 A ball of string is 848 cm long. It is cut into 4 equal pieces. What is the length of one piece of string?

5 Whitney is using flexible partitioning to divide a 3-digit number.



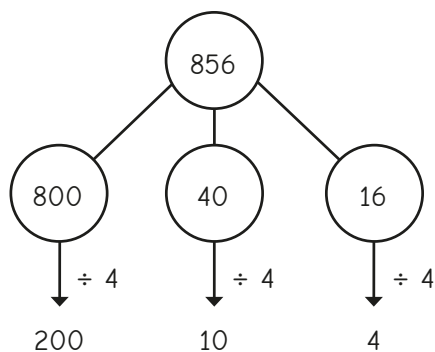
Could Whitney have partitioned the number another way?

6 Work out the divisions.

- a) $585 \div 5$ c) $648 \div 4$
 b) $672 \div 6$ d) $847 \div 7$

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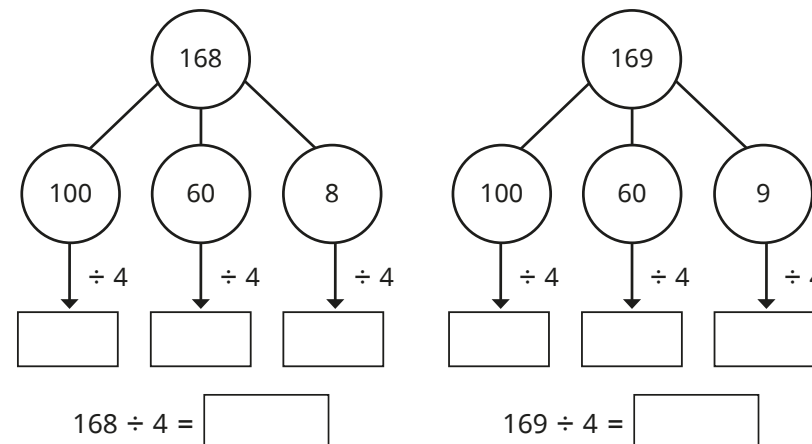


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- a) $585 \div 5$ c) $648 \div 4$
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7 Complete the part-whole models and divisions.



What is the same and what is different about the calculations?
Talk about it with a partner.

8 Work out the divisions.

- a) $258 \div 6$ b) $623 \div 5$ c) $864 \div 4$ d) $824 \div 3$

9 Eva has a piece of ribbon.
The ribbon is 839 cm long.



a) Work out how much ribbon would be left over if she cut it into:

- 4 equal pieces
- 6 equal pieces
- 8 equal pieces

b) Can Eva cut the ribbon into equal pieces with no ribbon left over?
Explain your answer.