

1 Jack is working out $844 \div 4$ using a place value chart.

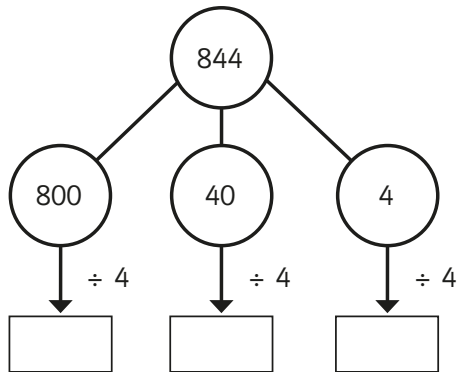
H	T	O
100 100	10	1
100 100	10	1
100 100	10	1
100 100	10	1

- a) Talk about Jack's method with a partner.
- b) Work out the division.

2 Use Jack's method to work out these divisions.

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

3 Eva is working out $844 \div 4$ using a part-whole model.

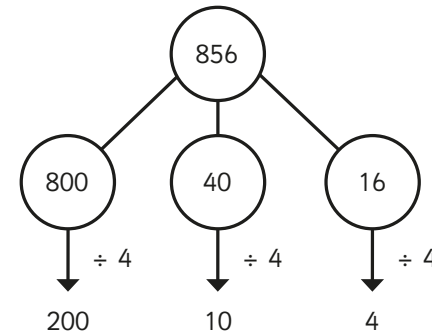


Complete Eva's method.

$$844 \div 4 = \boxed{}$$

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.

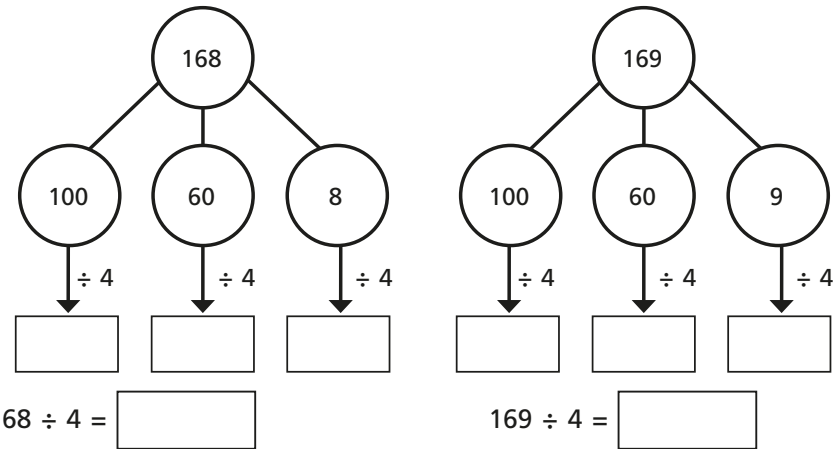


Could Whitney have partitioned her number another way?

Use Whitney's method to work out these divisions.

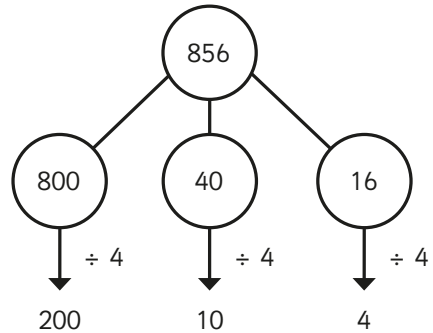
- a) $585 \div 5$
- b) $672 \div 6$
- c) $648 \div 4$
- d) $847 \div 7$

6 Complete the part-whole models and divisions.



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

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

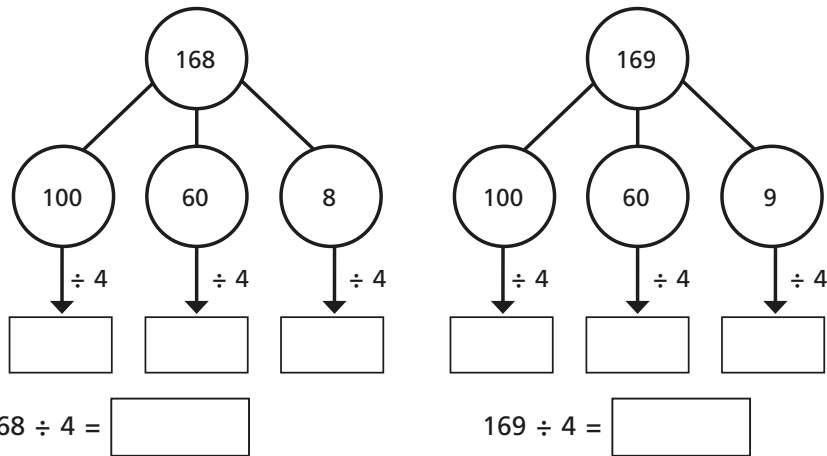


Could Whitney have partitioned her number another way?

Use Whitney's method to work out these divisions.

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

6 Complete the part-whole models and divisions.



What is the same and what is different about the calculations?

Talk about it with a partner.

7 Work out the divisions.

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

8 Eva has a piece of ribbon.



The ribbon measures 839 cm long.

How much ribbon would be left over if she cuts it into:

- a) 4 equal pieces
b) 6 equal pieces
c) 8 equal pieces

Can Eva cut the ribbon into equal pieces with no ribbon left over?

Explain your answer.

9 Use 15 counters and a place value chart.

- a) Can you make a number that is divisible by 3? _____
- b) Can you make a number that has a remainder of 1 when divided by 3? _____
- c) Can you make a number that has a remainder of 2 when divided by 3? _____

What do you notice? Talk about your findings with a partner.