Lesson 13: Friday 22nd Jan
Divide 3 digits by 1 digit

Spring Term: Block 1

1 Jack is working out 844 ÷ 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) Complete the division.

844 ÷ 4 = ☐

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

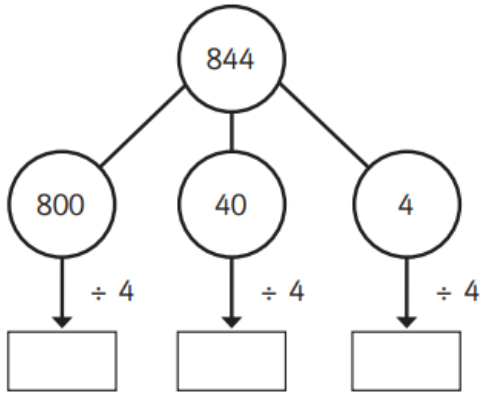
a) 525 ÷ 5 = ☐

b) 636 ÷ 6 = ☐

c) 840 ÷ 8 = ☐

d) 903 ÷ 3 = ☐

3 Eva is working out 844 ÷ 4 using a part-whole model.



Complete Eva's method.

844 ÷ 4 = ☐

Challenge:

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.


PEEKING

Answer – Purple Pen Only!

1 Jack is working out 844 ÷ 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) Complete the division.

844 ÷ 4 = 211

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

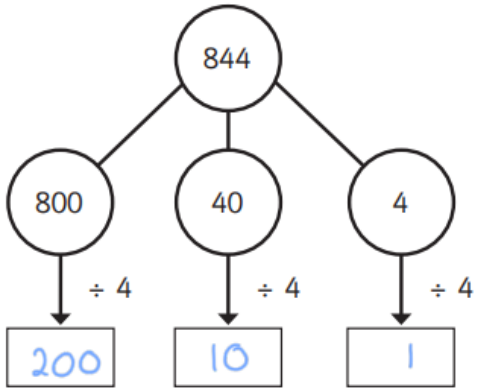
a) 525 ÷ 5 = 105

b) 636 ÷ 6 = 106

c) 840 ÷ 8 = 105

d) 903 ÷ 3 = 301

3 Eva is working out 844 ÷ 4 using a part-whole model.



Complete Eva's method.

844 ÷ 4 = 211

Challenge:

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

3 cm

b) 6 equal pieces

5 cm

c) 8 equal pieces

7 cm

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

Explain your answer. 839 pieces each 1 cm long.