

Spot the mistake. What should the answer be?

$$841 \div 16 = 100$$

$$\begin{array}{r} 16 \overline{) 841} \\ - 800 \quad (x \ 50) \\ \hline 800 \\ - 800 \quad (x \ 50) \\ \hline 0 \end{array}$$

Spot the mistake. What should the answer be?

$$841 \div 16 = 100$$

$$\begin{array}{r} 16 \overline{) 841} \\ \underline{- 800} \quad (x \ 5 \ 0) \\ 800 \\ \underline{- 800} \quad (x \ 5 \ 0) \\ 0 \end{array}$$

Always check
your subtracting!

LO: to divide (long)

Show me the method
we did yesterday!

you
do

$$639 \div 23 =$$

23

46

69

92

115

138

161

184

207

230

LO: to divide (long)

Complete the questions on the following slides in your home learning book.

LO: to divide (long)

Find a more efficient way to solve this division problem. Explain your reasoning.

			1	5	0	
6	3	9	4	5	0	
	–	6	3	0	0	x 100
		3	1	5	0	
	–	2	5	2	0	x 40
			6	3	0	
		–	6	3	0	x 10
					0	

LO: to divide (long)

Work out which numbers have been covered by the splats.

		0			
4	1	9	4	3	
	-			0	(x20)
		1	2	3	
	-	1	2	3	
				0	

LO: to divide (long)

Which calculation could be the odd one out below?

- $512 \div 16 =$
- $672 \div 21 =$
- $928 \div 29 =$
- $792 \div 24 =$

Explain why.

LO: to divide (long)

Explain the mistake

$$746 \div 16 =$$

$$\begin{array}{r} 41 \\ 16 \overline{) 746} \\ \underline{- 64} \text{ (x4)} \\ 106 \\ \underline{- 106} \text{ (x10)} \\ 0 \end{array}$$

LO: to divide (long)

Which question is easier and which is harder?

- $1,950 \div 13 =$
- $1,950 \div 15 =$

Explain why.

LO: to divide (long)

Here are two calculation cards

$$A = 396 \div 11$$

$$B = 832 \div 11$$

Sana



I know the answers will both be whole numbers because 396 and 832 have 11 as a factor.

I know only one calculation will have a whole number because I did written calculation.

Eve



Which child is correct?

LO: to divide (long)

Investigate

Using the number 4,236, how many numbers up to 20 does it divide by without a remainder?

Is there pattern?