

Spot the mistake. What should the answer be?

$$651 \div 23 = 28r3$$

$$\begin{array}{r} 23 \overline{) 651} \\ \underline{- 460} \quad (x \ 2 \ 0) \\ 191 \\ \underline{- 188} \quad (x \ 8) \\ 3 \end{array}$$

$23 \times$

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Always list your
multiples
carefully!

$$23 \times 8 = 184$$

Today we are going to continue with our short division from before half term.

Each question will have a remainder.

Discuss with your partner:

*What is the first thing we need to do for our long division?

*What is the method we use?

*How will we know there is a remainder?

LO: to divide (long)

I do

651 ÷ 43 = 15r6

43 | 651

430 (x 10)

221

215 (x 5)

006

43

86

129

172

x5 215

258

301

344

387

(x10) 430

LO: to divide (long)										02.11.2020			we do		
7 8 8				÷	2 3		=						2	3	
													4	6	
													6	9	
													9	2	
													1	1	5
													1	3	8
													1	6	1
													1	8	4
													2	0	7
													2	3	0

LO: to divide (long)

02.11.2020

you
do

$$632 \div 26 = 24r8$$

$$26 \overline{) 632}$$

$$\underline{520} \quad (\times 20)$$

$$112$$

$$\underline{104} \quad (\times 4)$$

$$8$$

$$1 \times 26 \quad 26$$

$$2 \quad 52$$

$$3 \quad 78$$

$$4 \quad 104$$

$$5$$

$$6$$

$$7$$

$$8 \quad 208$$

$$9$$

$$10 \quad 260$$

$$20 \quad 520$$

Darcey is packing the 733 tinned food items
she has collected to distribute to charity.
Each box can hold 26 tins.
How many boxes are needed?



we
do

Discuss

School needs to buy 588 exercise books.

The books are sold in packs of 24.
How many packs of books are needed?



we
do

Discuss

A school needs to buy 380 biscuits for parents' evening.
Biscuits are sold in packs of 12

How many packets will the school need to buy?

we
do

Discuss

Glue in and complete in your book.

**you
do**

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Let's move on to some reasoning!

we
do

Always, Sometimes, Never true?

When a 3-digit even number is divided by a 2-digit odd number, there will always be a remainder.

Discuss

Who is correct?

Each of the 510 pupils need a ruler.
Rulers come in packs of 12.



We need to order 42 packs!



We need to order 43 packs!

Explain how you know.

576 children and 32 adults need transport for a school trip.
A coach holds 55 people.



Dora

We need 10 coaches.



Eva

We need 11 coaches.



Alex

We need 12 coaches.

Who is correct? Explain how you know.

How many spare seats will there be?

Glue in and complete in your book.

you
do

Make sure you are explaining your reasoning clearly!

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