

Adding to the stock

When deliveries arrive at DIY 4 All, the new stock is added to the old stock to give a new total.

For example, if there are 75 rolls of meadow pattern wallpaper in stock and another 240 rolls are delivered, then the new stock total is $75 + 240 = 315$ rolls.

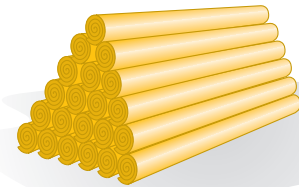
To work this out, it helps to think about hundreds, tens and units.

Remember

240 means $200 + 40 + 0$

75 means $70 + 5$

$$\begin{array}{r}
 \text{H} \quad \text{T} \quad \text{U} \\
 200 + 40 + 0 \\
 \text{add} \quad \quad \quad 70 + 5 \\
 \hline
 200 + 110 + 5 = \underline{315}
 \end{array}$$



Talk about it

- How do you add up in your head? How do you write it down?



Activity 8

Practise by adding the deliveries of wallpaper to the stocks.

Wallpaper pattern	Number of rolls in stock	Number delivered	Total
Poppy	146	72	
Stripe	65	230	
Floral	114	425	
Scroll	218	124	
Wave	142	375	
Train	136	180	
Swirl	19	380	
United	245	245	
Birds	153	77	
Fern	307	108	
Feather	256	248	

Poppy

$$\begin{array}{r}
 \text{H} \quad \text{T} \quad \text{U} \\
 100 + 40 + 6 \\
 \text{add} \quad \quad \quad 70 + 2 \\
 \hline
 \end{array}$$

Tip

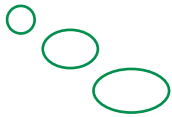
For written calculations, keep the hundreds, tens and units in columns **H T U**

Are you right?

When you do a sum, how do you know the answer is right? How can you check your calculations?

Try to think of different ways of checking. Talk about it in your group.

One way of checking is by making an **estimate** or an **approximate** answer first, to see the **size** of answer to expect.



If there are 83 tins in stock (that's approximately 100) and another 235 (that's approximately 200) are delivered, then my total is approximately $100 + 200 = 300$. Easy!

$$83 + 235 = 318$$

Quite close to my estimate, so I think I'm right.

Activity 9

Work with another person. Take turns to do the estimate and then the calculation.

	Estimate	Exact answer	Space for working out
1 $315 + 122$	<u>$300 + 100 = 400$</u>	<u>437</u>	
2 $483 + 516$	
3 $266 + 632$	
4 $375 + 254$	
5 $294 + 614$	
6 $426 + 384$	
7 $490 + 88$	
8 $327 + 284$	
9 $79 + 843$	

Taking stock away

When customer orders are taken from the stock, I have to calculate how much stock is left.

If I take 160 away from 576, I get exactly 416.

Talk about it

When do **you** use **subtraction**? How do you subtract in your head? How do you write it down? Share your methods in your group. Think about how you can get an approximate answer.

$$576 - 160 = \text{approximately } 600 - 200 = 400$$

	H	T	U
	500	+ 70	+ 6
subtract	<u>100</u>	+ <u>60</u>	+ 0
	400	+ 10	+ 6 = 416

You can check a **subtraction** by doing an **addition**.

Add 160 and 416. What do you get?

If you get back to 576, you know your subtraction is correct.

Activity 10

Here are some orders picked from stock this month.

Work out how much stock is left. Don't forget to check your answers.

When orders come in to DIY 4 All, the items are picked from stock. You can work out how much is left by **subtraction**.

Door handles	Starting stock	Stock picked	Stock left
Large mahogany	475	231	244
Medium mahogany	568	333	
Small mahogany	356	215	
Large beech	640	235	
Medium beech	347	162	
Small beech	241	175	
Large ash	205	63	
Medium ash	327	188	
Small ash	402	276	

	H	T	U
	300	+ 40	+ 7
subtract	<u>100</u>	+ <u>60</u>	+ 2
We need some more tens.			
	200	+ 140	+ 7
subtract	<u>100</u>	+ <u>60</u>	+ 2
	100	+ 80	+ 5 = 185