## Explanation

- Today we are going to learn a method of division called
- short division (sometimes nicknamed the 'bus shelter' or
- 'bus stop' method - can you see why?).

$$
\text { - } 678 \div 3
$$

3) 678

- We're going to make the 678 using base-10 equipment, - and looks for groups of 3 blocks (because we're dividing by 3).

Day 1: Use short division to divide 3-digit numbers by 1-digit numbers.


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$$
678 \div 3
$$

Let's check using the vertical layout of chunking. Think of the division as a 'multiplication with a hole'.

| $\square \times 3=678$ | How many 3s are in 678? |
| :---: | :---: |
| $200 \times 3=\underline{600}$ | $200 \times 3$ = 600. How much |
| 78 | How many 3s are in 78? |
| $20 \times 3=60$ | $20 \times 3$ = 60. How much left? |
| 18 | How many 3s are in 18? |
| $6 \times 3=18$ | $6 \times 3$ = 18. How much left? |
| 0 |  |
| $678 \div 3=226$ | We get the same answer! |

Day 1: Use short division to divide 3-digit numbers by 1-digit numbers.

## 1, and 2 left over.

We write 1 in the 100 s column as we are dividing the 100s, then 2
tens in front of the 10 s digit.

We are going to move a sticky note along to hide and reveal each column in turn.


Day 1: Use short division to divide 3-digit numbers by 1-digit numbers.

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8. We write 8 in the 10 s column as we are dividing the 10 s .
```


## 18 <br> $3 \longdiv { 5 ^ { 2 } 4 }$



Day 1: Use short division to divide 3-digit numbers by 1-digit numbers.
2. We write 2 in the 1 s column.

$$
\begin{array}{r}
182 \\
3 \lcm{5246}
\end{array}
$$

The answer is 182

Pre Skills Day I Monday Ith Janwary

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Divisian. Pre-skille
(3)
1. 18\div3=
2. 21\div3=
3. 16 % 4 =
4. 24\div4=
5. 24\div8=
6. 48\div8=
(4) Use the bue stap methad to calculate:
7. }369\div7
8. 248\div2=
9. 115 +6=
10. 205\div5=
11. 400\div7=
12. }672\div6
13. 402 + 3 =
14. 568 +8=
15. 891 % 4 =
16. }673\div6
```

