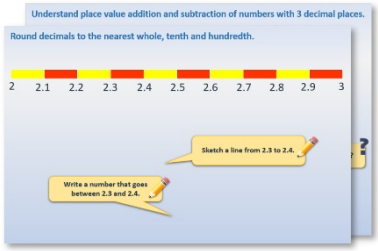
Week 1 Day 1
Add whole numbers: Mental & Written strategies

Each day covers one maths topic. It should take you about 1 hour or just a little more.

1. Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.



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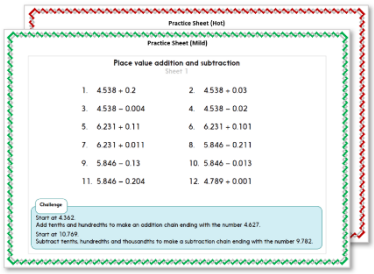
2. Tackle the questions on the **Practice Sheet**. There might be a choice of either Mild (easier) or Hot (harder)! Check the answers.



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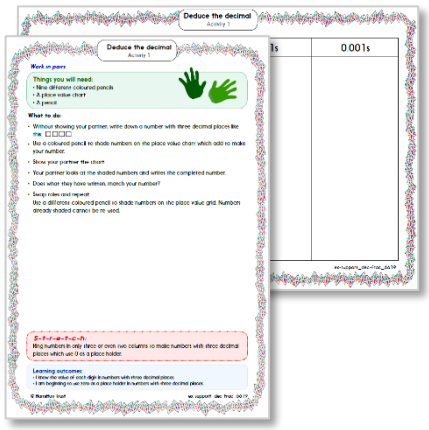
3. Finding it tricky? That's OK… have a go with a grown-up at **A Bit Stuck?**



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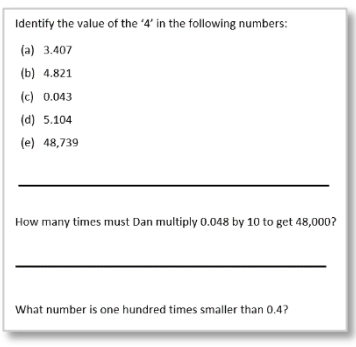
4. Have I mastered the topic? A few questions to **Check your understanding**. Fold the page to hide the answers!



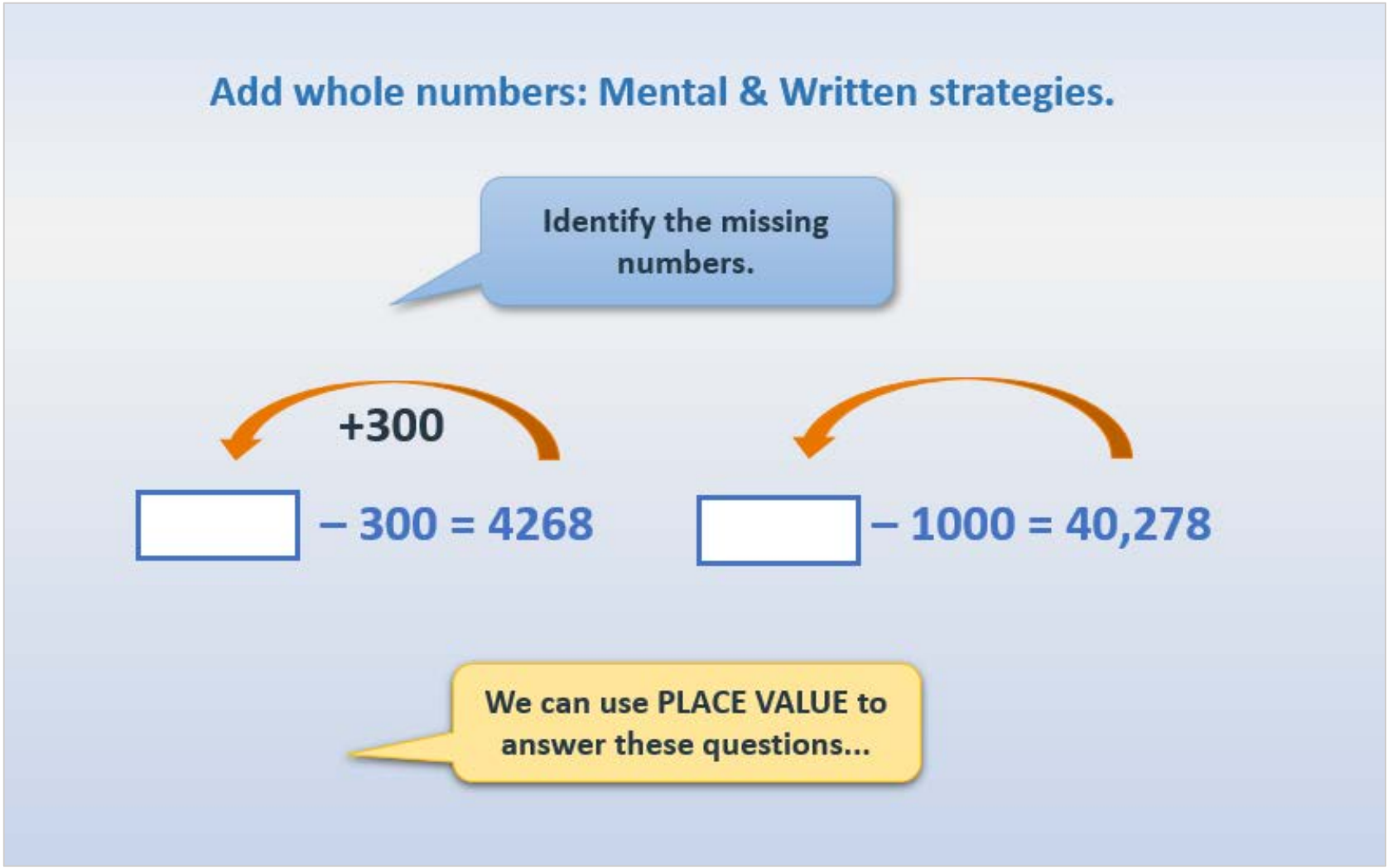
Learning Reminders

Add whole numbers: Mental & Written strategies.

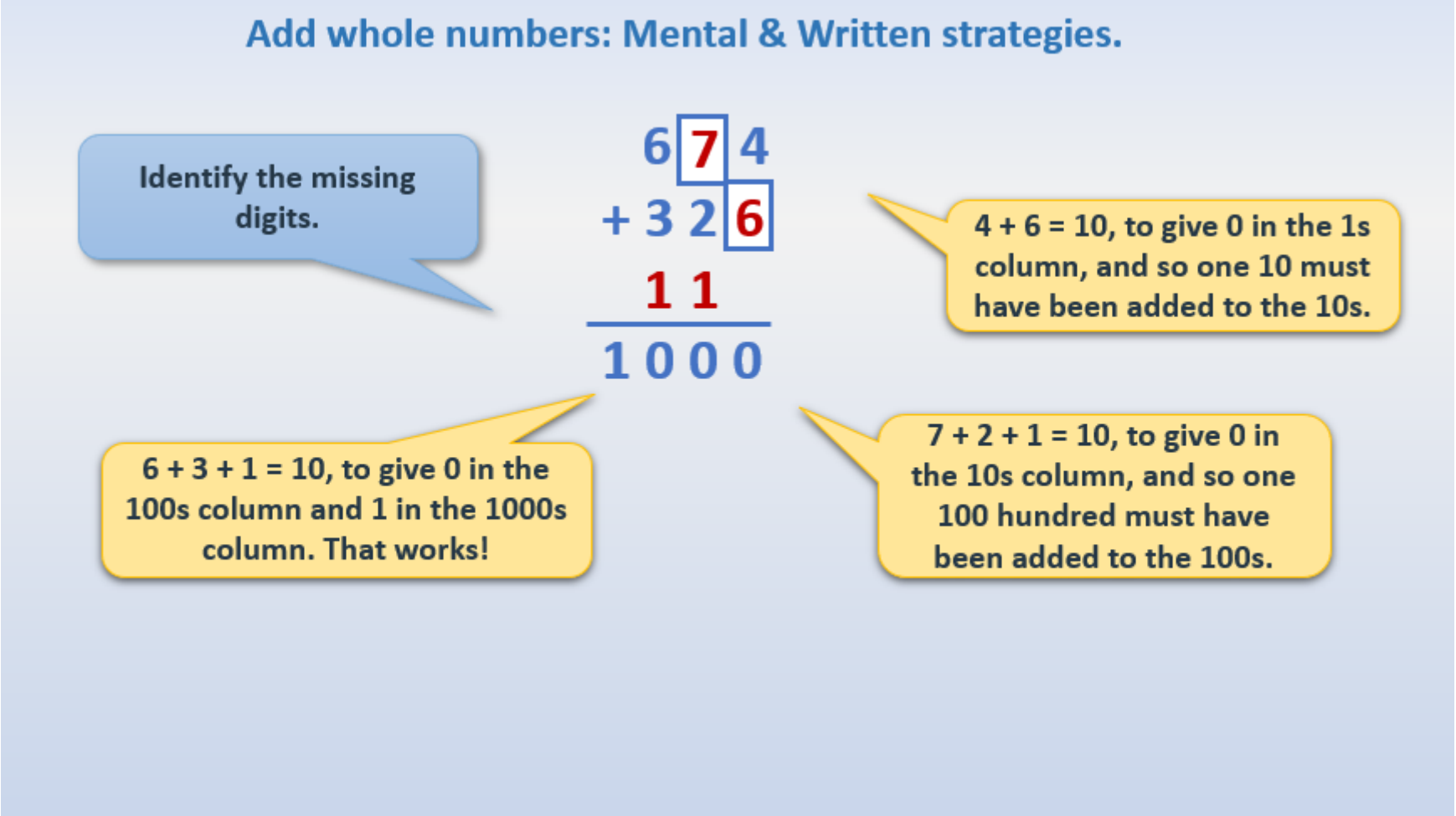
Number	1000 more
46	**1046**
2279	3279
53,837	**54,837**
	1256
120,348	
	24,873

What are the missing numbers?

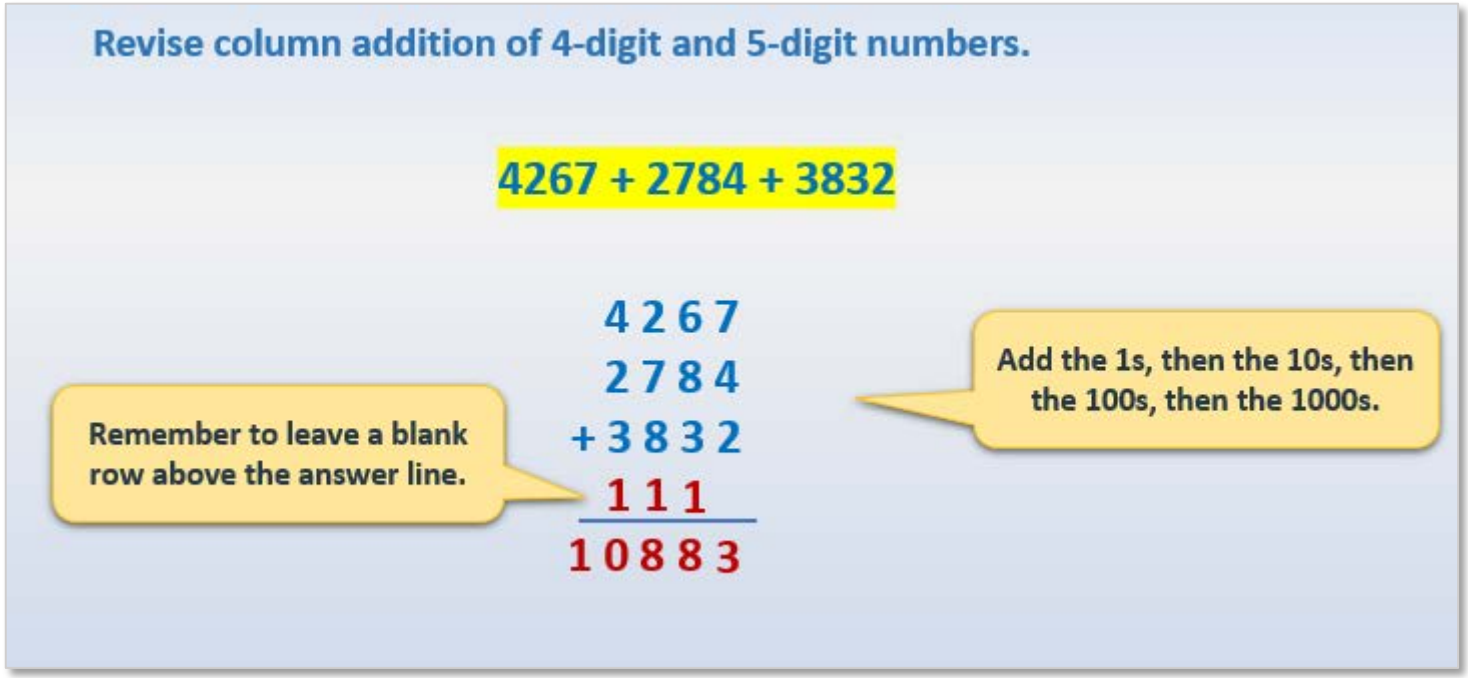
Learning Reminders



Learning Reminders



Learning Reminders



Practice Sheet Mild

Adding 3-digit and 4-digit numbers

1. 3575 + 2718
2. 5671 + 1482
3. 4289 + 245
4. 6582 + 1998
5. 4578 + 234
6. 8482 + 573
7. 7458 + 634
8. 5678 + 3781

Challenge

Write two additions with answers between 5000 and 10,000 where there are no 2s or 3s in any of the numbers.

Practice Sheet Hot

Adding 4-digit and 5-digit numbers

1.	63,789 + 24,845	6.	45,782 + 2845
2.	27,045 + 16,839	7.	28,341 + 5294
3.	34,578 + 26,284	8.	34,784 + 3997
4.	74,286 + 52,153	9.	72,458 + 8725
5.	58,482 + 34,619	10.	56,794 + 7537

Challenge

Write two additions with answers between 20,000 and 30,000 where there are no zeros or fives in any of the numbers!

Practice Sheets Answers

Adding 3-digit and 4-digit numbers (mild)

1. 3575 + 2718 = 6293
2. 5671 + 1482 = 7153
3. 4289 + 245 = 4534
4. 6582 + 1998 = 8580 quicker to work out mentally
5. 4578 + 234 = 4812
6. 8482 + 573 = 9055
7. 7458 + 634 = 8092
8. 5678 + 3781 = 9459

Challenge

Write two additions with answers between 5000 and 10,000 where there are no 2s or 3s in any of the numbers.

e.g. 4061 + 4694 = 8755

Adding 4-digit and 5-digit numbers (hot)

1. 63,789 + 24,845 = 88,634
2. 27,045 + 16,839 = 43,884
3. 34,578 + 26,284 = 60,862
4. 74,286 + 52,153 = 126,439
5. 58,482 + 34,619 = 93,101
6. 45,782 + 2845 = 48,627
7. 28,341 + 5294 = 33,635
8. 34,784 + 3997 = 38,781 quicker to work out mentally
9. 72,458 + 8725 = 81,183
10. 56,794 + 7537 = 64,331

Challenge

Write two additions with answers between 20,000 and 30,000 where there are no zeros or fives in any of the numbers!

e.g. 11,226 + 8393 = 19,619

Check your understanding

Questions

Two numbers add together to equal 10,000.
One of the numbers is 2308.
What is the other number?

At the start of June, there were 4548 toy cars in the shop.
During December, 8728 more toy cars were delivered and 9473 toy cars were sold.
How many toy cars were left in the shop at the end of December?

Write the four missing digits to make this addition correct:
☐6☐8 + 3☐9☐ = 9019

Explain why it would be sensible to choose different methods to solve (a) and (b) below. Then solve both.

(a) 67,493 + 21,561 (b) 50,005 + 9998

Complete the addition by finding ☐, ✣ and △:

$$\begin{array}{r} 12\square 62 \\ +\ 938\clubsuit \\ \hline 2\triangle 251 \end{array}$$

Check your understanding

Answers

Two numbers add together to equal 10,000.
One of the numbers is 2308.
What is the other number? 7692

At the start of June, there were 4548 toy cars in the shop.
During December, 8728 more toy cars were delivered and 9473 toy cars were sold.
How many toy cars were left in the shop at the end of December? 3803

Write the four missing digits to make this addition correct:

5628 + 3391 = 9019

Explain why it would be sensible to choose different methods to solve (a) and (b) below. Then solve both.

(a) 67,493 + 21,561 89,054 best solved by column addition as there are lots of different digits in each number and several instances where 'carrying' will be needed.
(b) 50,005 + 9998 60,003 can be solved mentally with supporting jottings, by adding 10,000 and then subtracting 2.

Complete the addition by finding ☐, ✣ and △:

$$\begin{array}{r} 1\,2\,8\,6\,2 \\ +\ 9\,3\,8\,9 \\ \hline 1\,1\,1\,1 \\ \hline 2\,2\,2\,5\,1 \end{array}$$