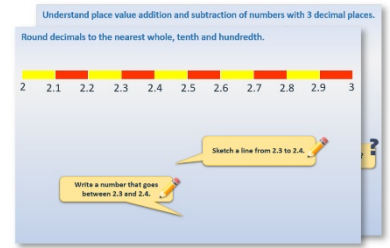


Year 3: Week 1, Day 4

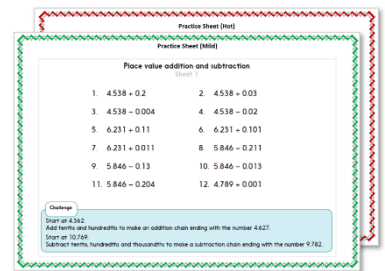
Written addition

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

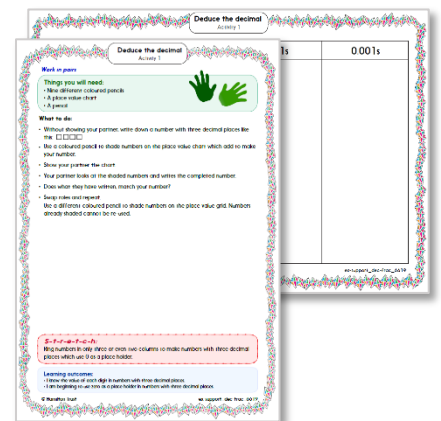
- Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.



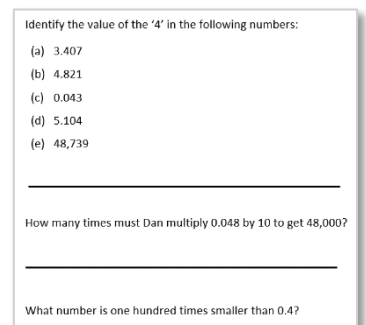
- Tackle the questions on the **Practice Sheet**. There might be a choice of either **Mild** (easier) or **Hot** (harder)! Check the answers.



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



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



Learning Reminders

Add 3-digit numbers using expanded addition.

	500	20	8
+	300	30	3
		10	
	800	60	1

$800 + 60 + 1 = 861$

Let's try $528 + 333$.

The numbers are **partitioned**, lined up in 100s, 10s and 1s and a **blank space** left under the second number.

Add the 1s. $8 + 3 = 11$.
The 1s come to more than 10 so we write 10 in the **waiting line** under the 10s and 1 under the 1s in the **answer line**.

Next add the 10s...
 $20 + 30 + 10 = ?$

Lastly the 100s...
 $500 + 300 = ?$

Finally **recombine** 800, 60 and 1....

Learning Reminders

Add 3-digit numbers using expanded addition.

$$\begin{array}{r} 300 \ 60 \ 2 \\ + \ 400 \ 80 \ 3 \\ \hline 100 \\ \hline 800 \ 40 \ 5 \end{array}$$

$$800 + 40 + 5 = 845$$

Now let's try $362 + 483$.

Partition and line up the numbers. Remember to leave a **blank space** left under the second number.

Add the 1s. $2 + 3 = ?$

Next add the 10s...

$$60 + 80 = ?$$

The **10s come to more than 100** so we write 100 in the **waiting line** under the 100s and 40 under the 10s in the **answer line.**

Lastly the 100s...

$$300 + 400 + 100 = ?$$

Finally **recombine** 800, 40 and 5....

Practice Sheet Mild

Addition and subtraction practice

$437 + 231$

400	30	7
200	30	1

$523 + 415$

500	20	3
400	10	5

$743 + 126$

700	40	3
100	20	6

$545 + 427$

500	40	5
400	20	7

$614 + 352$

$353 + 216$

$572 + 325$

$436 + 265$

Challenge

Write two additions with an answer of 888.

Practice Sheet Hot

Addition and subtraction practice

1. $438 + 214$

2. $549 + 235$

3. $116 + 236$

4. $239 + 344$

5. $625 + 147$

6. $378 + 414$

7. $380 + 257$

8. $472 + 384$

9. $582 + 284$

10. $693 + 242$

11. $461 + 256$

12. $543 + 261$

Challenge

Write two additions with the answer 321. You can't use a zero in either number!

Practice Sheet Answers

Addition and subtraction practice (Mild)

$$437 + 231 = 668$$

$$743 + 126 = 869$$

$$523 + 415 = 938$$

$$545 + 427 = 972$$

$$614 + 352 = 966$$

$$353 + 216 = 569$$

$$572 + 325 = 897$$

$$436 + 265 = 701$$

Challenge

Accept correctly laid out answers where total is 888, e.g.

444 + 444, 350 + 538, 480 + 408,
738 + 150, etc.

Addition and subtraction practice (Hot)

1. $438 + 214 = 652$

2. $549 + 235 = 784$

3. $116 + 236 = 352$

4. $239 + 344 = 583$

5. $625 + 147 = 772$

6. $378 + 414 = 792$

7. $380 + 257 = 637$

8. $472 + 384 = 856$

9. $582 + 284 = 866$

10. $693 + 242 = 935$

11. $461 + 256 = 717$

12. $543 + 261 = 804$

Challenge

Accept answers where the total is 321, e.g.
198 + 123, 167 + 154, 272 + 49, etc.

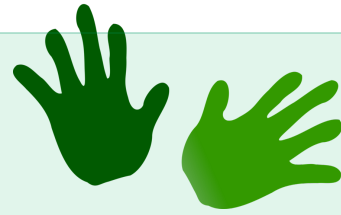
A Bit Stuck?

More split sums

Work in pairs

Things you will need:

- A set of 100s, 10s and 1s place value cards
- A pencil



What to do:

- Shuffle the 10 to 50 cards and place face down in a pile. Shuffle the 1 to 9 cards and place face down.
- Take the top card from each pile and put them together to make a 2-digit number.
- Take the next card from each pile to make another 2-digit number.
- One person collects the 10s. The other person collects the 1s. How much do you have each? Now add your totals.
- Record the addition.
- Repeat at least two more times.
- Play again, but this time shuffle the 10 to 90 cards, and the 1 to 5 cards.
- Repeat at least two more times.

$47 + 26$
$= 40 + 20 + 7 + 6$
$= 60 + 13$
$= 73$

S-t-r-e-t-c-h:

Use 10 to 90 and 1 to 9 cards so that sometimes the 1s will come to more than 10 and the 10s will come to more than 100.

Learning outcomes:

- I can add pairs of 2-digit numbers using partitioning (1s > 10 or 10s > 100).
- I am beginning to add pairs of 2-digit numbers where the 1s come to more than 10 the 10s come to more than 100.



1 0 0

6 0 0



2 0 0

7 0 0

3 0 0

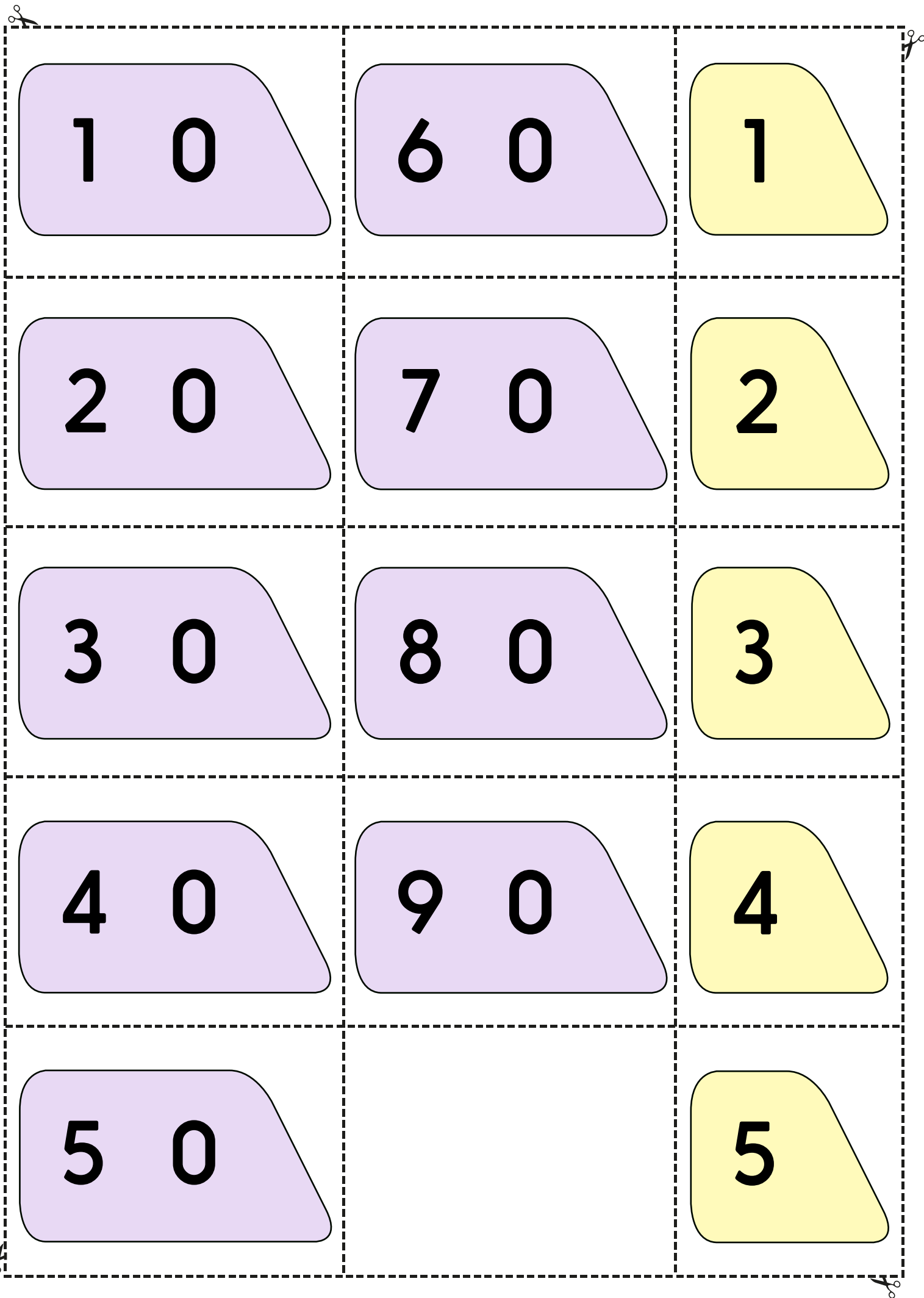
8 0 0

4 0 0

9 0 0

5 0 0





1 0

6 0

1

2 0

7 0

2

3 0

8 0

3

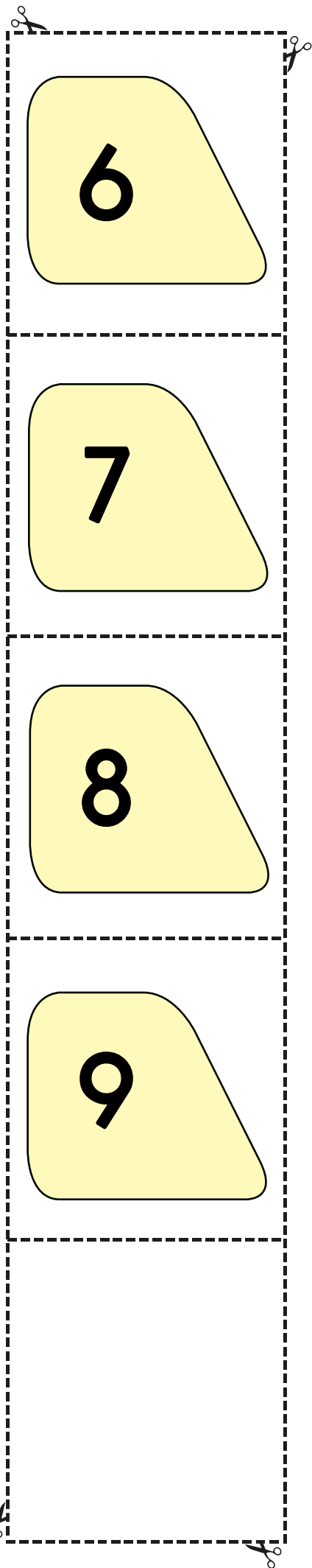
4 0

9 0

4

5 0

5



Check your understanding: Questions

What is the total of two hundred and sixty-eight and two hundred and eighty-six?

Write the missing numbers

$$643 + 174 = \square$$

$$\square - 356 = 238$$

$$327 + 258 = \square$$

$$\square - 426 = 247$$

Amit uses 346 Lego pieces in building his model X-wing, and his sister uses 287 in building her Millennium Falcon.

How many Lego pieces have they used altogether?

Fold here to hide answers:

Check your understanding: Answers

For this, children should be using the expanded column method. Errors may be due to splitting numbers wrongly, lining them up incorrectly or to making mistakes in the procedure. Talk through how they did each calculation that they got wrong.

What is the total of two hundred and sixty-eight and two hundred and eighty-six? **554**

Write the missing numbers

$$643 + 174 = \boxed{817}$$

$$\boxed{594} - 356 = 238$$

$$327 + 258 = \boxed{585}$$

$$\boxed{673} - 426 = 247$$

Some may not recognise the second and fourth question as one to do using addition.

Amit uses 346 Lego pieces in building his model X-wing, and his sister uses 287 in building her Millennium Falcon.

How many Lego pieces have they used altogether? **633 pieces.**