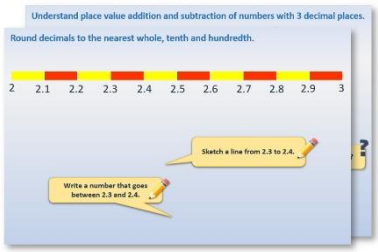
Week 8, Day 2
Add using number facts (2)

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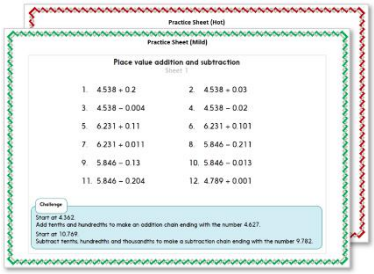
2. Tackle the questions on the **Practice Sheet**.
There might be a choice of either Mild (easier) or Hot (harder)!
Check the answers.



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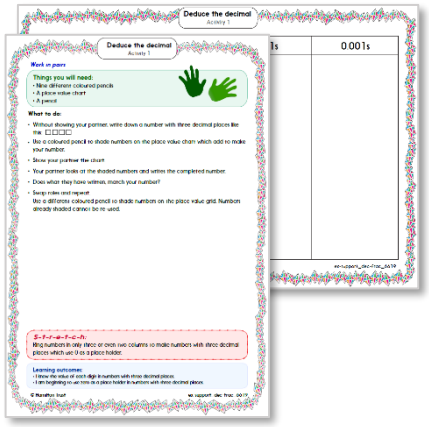
3. Finding it tricky? That's OK… have a go with a grown-up at **A Bit Stuck?**



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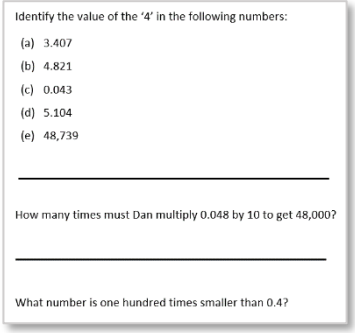
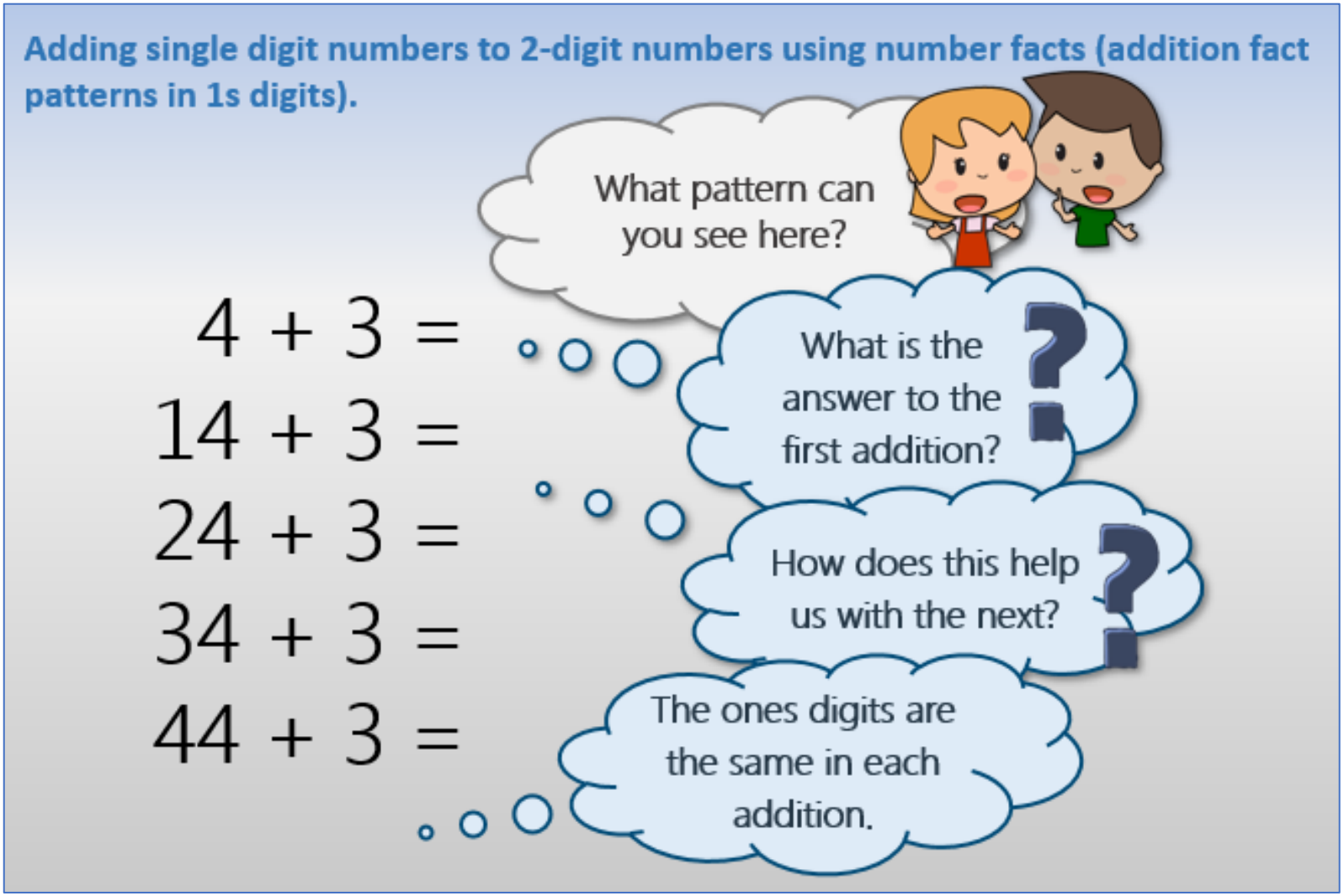
4. Have I mastered the topic? A few questions to **Check your understanding**.
Fold the page to hide the answers!



Learning Reminders

Adding single digit numbers to 2-digit numbers using number facts (addition fact patterns in 1s digits).



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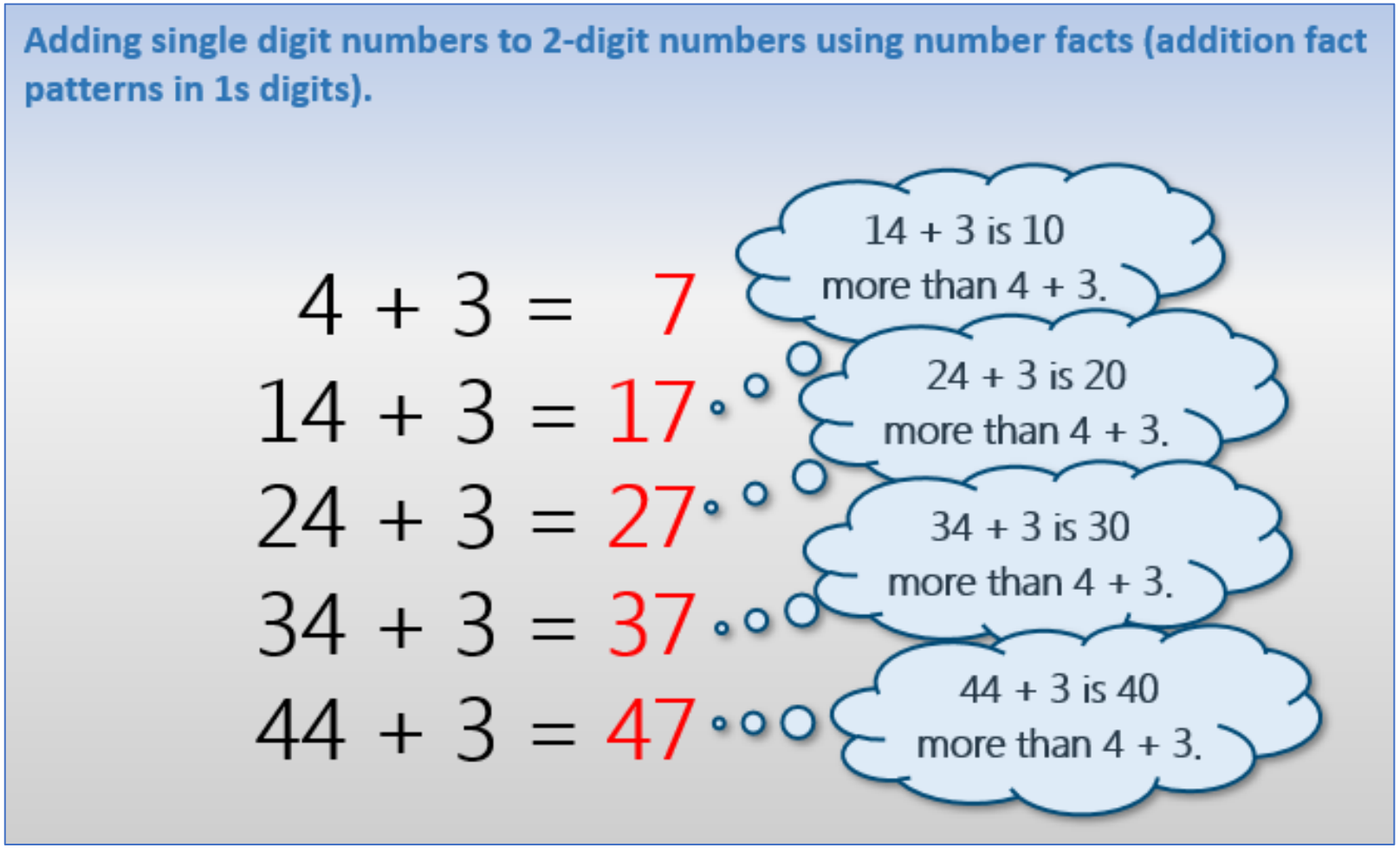


Practice Sheets Mild

More addition using numbers facts

1. $2 + 8 =$ ☐ $12 + 8 =$ ☐

   $22 + 8 =$ ☐

2. $5 + 5 =$ ☐ $15 + 5 =$ ☐

   $25 + 5 =$ ☐

3. $13 + 3 =$ ☐ $23 + 3 =$ ☐

   $33 + 3 =$ ☐

4. $6 + 4 =$ ☐ $16 + 4 =$ ☐

   $26 + 4 =$ ☐

5. $2 + 6 =$ ☐ $12 + 6 =$ ☐

   $22 + 6 =$ ☐

Challenge

If we know that $6 + 3 = 9$, what other number facts can we write?

Practice Sheet Hot

More addition using numbers facts

1. 2 + 7 = 9

Write down some other number sentences you might be able to work out now you know this fact.

2. 3 + 5 = 8

Write down some other number sentences you might be able to work out now you know this fact.

3. 4 + 3 = 7

Write down some other number sentences you might be able to work out now you know this fact.

4. 3 + 3 = 6

Write down some other number sentences you might be able to work out now you know this fact.

5. 8 + 2 = 10

Write down some other number sentences you might be able to work out now you know this fact.

Practice Sheets Answers

More addition using number facts (mild)

1. 2 + 8 = 10 12 + 8 = 20
   22 + 8 = 30
2. 5 + 5 = 10 15 + 5 = 20
   25 + 5 = 30
3. 13 + 3 = 16 23 + 3 = 26
   33 + 3 = 36
4. 6 + 4 = 10 16 + 4 = 20
   26 + 4 = 30
5. 2 + 6 = 8 12 + 6 = 18
   22 + 6 = 28

Challenge

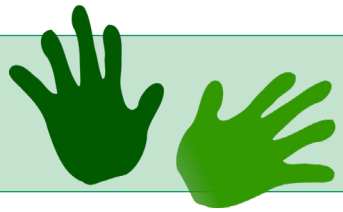
6 + 3 = 9 26 + 3 = 29 36 + 3 = 39, etc.
or
6 + 13 = 19 6 + 23 = 29 6 + 33 = 39 , etc.

More addition using number facts (hot)

1. 2 + 7 = 9 12 + 7 = 19 22 + 7 = 29, etc.
2. 3 + 5 = 8 13 + 5 = 18 23 + 5 = 28, etc.
3. 4 + 3 = 7 4 + 13 = 17 4 + 23 = 27, etc.
4. 3 + 3 = 6 13 + 3 = 16 23 + 3 = 26, etc.
5. 8 + 2 = 10 8 + 12 = 20 8 + 22 = 30, etc.

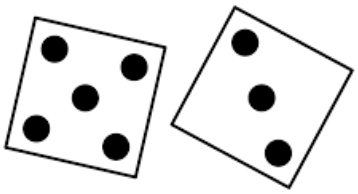
A Bit Stuck?
Dicey Sums

Things you will need:
- 1-6 dice
- Pencil and paper



What to do:

1. Roll a dice twice and add the two numbers together. If the total is 10 or more, roll again.

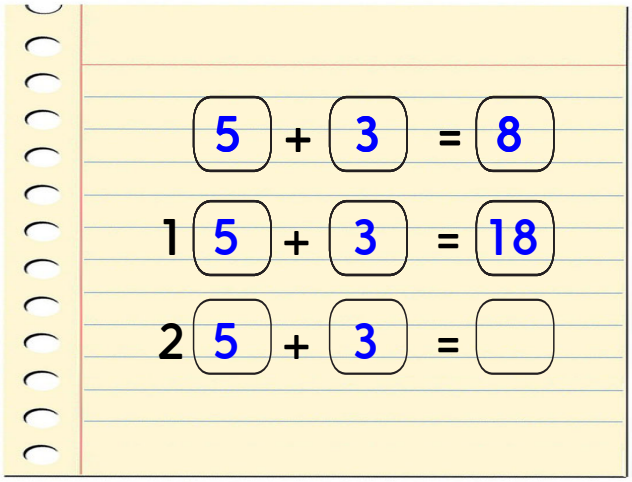


2. Find the total, e.g.

$$5 + 3 = 8$$

3. Use the same numbers to complete these additions.
Remember you can use your first answer to find out all the other answers!

$$\square + \square = \square$$
$$1\square + \square = \square$$
$$2\square + \square = \square$$
$$3\square + \square = \square$$
$$4\square + \square = \square$$
$$5\square + \square = \square$$



4. Roll the dice again and repeat with the new pair of numbers.

$$\square + \square = \square$$
$$1\square + \square = \square$$
$$2\square + \square = \square$$
$$3\square + \square = \square$$
$$4\square + \square = \square$$
$$5\square + \square = \square$$

Check your understanding

Questions

Write the number fact we use to solve:

34 + 5 = 64 + 5 =

Write another sum that uses this fact.

Write the number fact we use to solve:

62 + 6 = 22 + 6 =

Write another sum that uses this fact.

Write two additions both starting with a number bigger than 50.

Both must use this fact: 3 + 6 = 9

Write a number fact where the total is 8.

Write four additions which use this fact.

Answers on next page

Check your understanding

Answers

Write the number fact we use to solve:

34 + 5 = 39 64 + 5 = 69

These use the knowledge that 4 + 5 = 9. Children should be able to state this fact, not just answer the questions.

Write another sum that uses this fact. 44 + 5 = 49, 54 + 5 = 59 etc.

Write the number fact we use to solve:

62 + 6 = 68 22 + 6 = 28

These use the knowledge that 2 + 6 = 8. As above children should be able to state this fact, not just answer the questions.

Write another sum that uses this fact. 32 + 6 = 38, 42 + 6 = 48 etc.

Write two additions both starting with a number bigger than 50.

Both must use this fact:

3 + 6 = 9

e.g. 53 + 6 = 59, 63 + 6 = 69, 73 + 6 = 79 etc.

Write a number fact where the total is 8. Possible number facts are:

8 + 0, 7 + 1, 6 + 2, 5 + 3, 4 + 4, 3 + 5, 2 + 6, 1 + 7 and 0 + 8.

Write four additions which use this fact. Children should apply their fact to an addition with larger numbers, e.g. 5 + 3 = 8, so 25 + 3 = 28, etc.