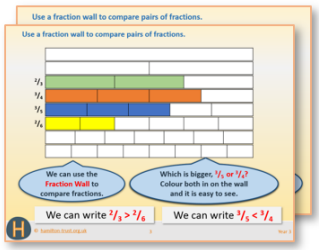
Week 9, Day 1

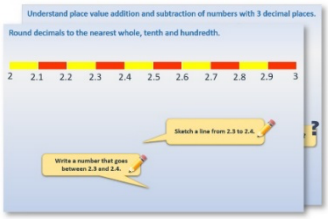
Add 1-digit numbers to 3-digit numbers

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

1. If possible, watch the **PowerPoint presentation** with a teacher or another grown-up.



OR start by carefully reading through the **Learning Reminders**.



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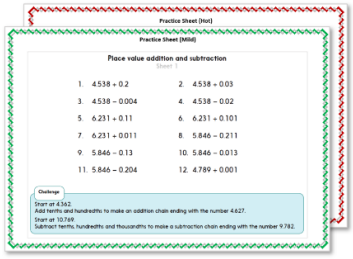
2. Tackle the questions on the **Practice Sheet**.
There might be a choice of either Mild (easier) or Hot (harder)!
Check the answers.



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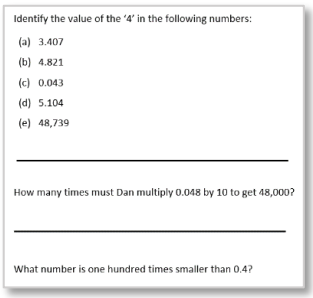
4. Have I mastered the topic? A few questions to **Check your understanding**.
Fold the page to hide the answers!



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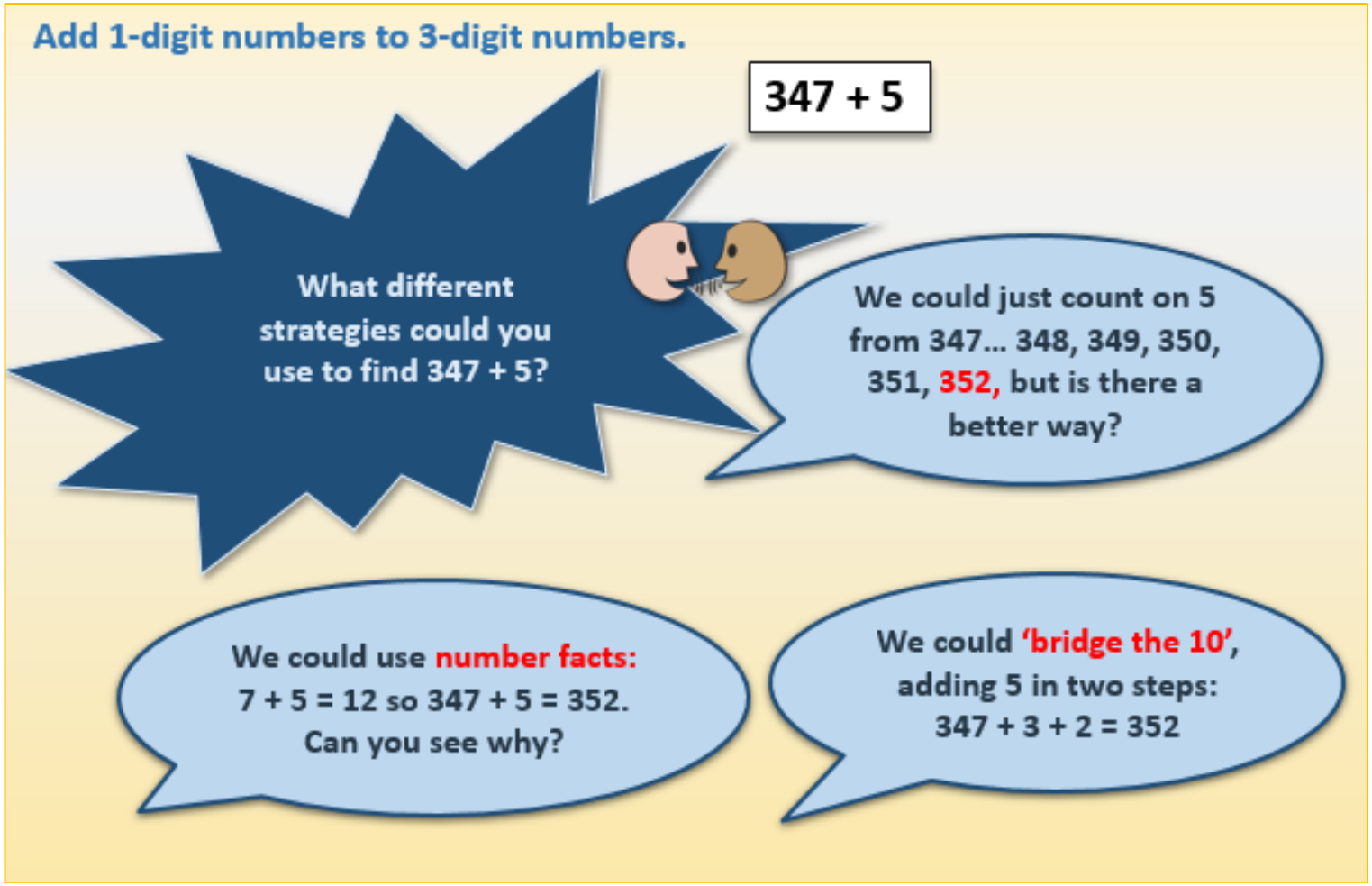
Learning Reminders



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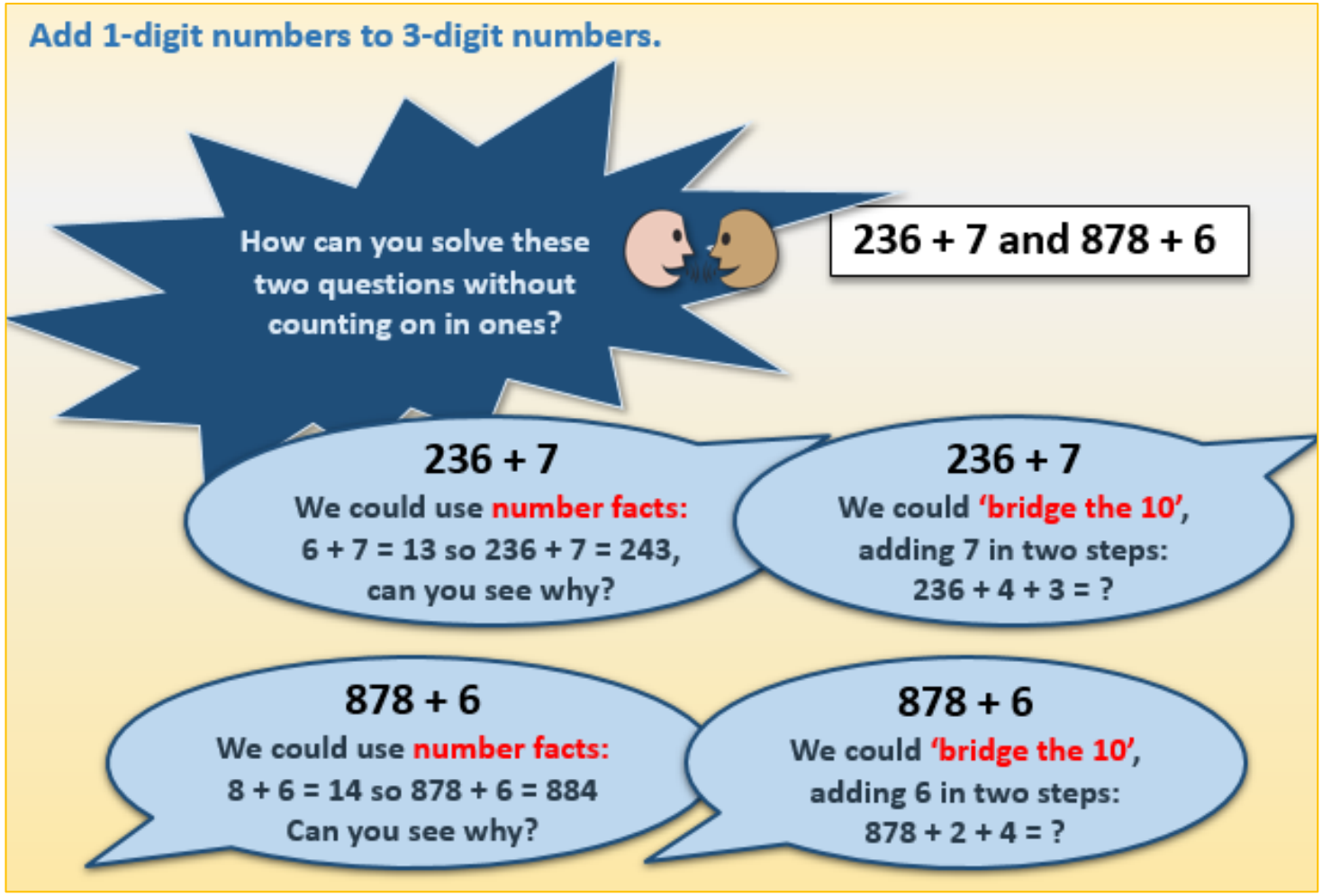
Learning Reminders



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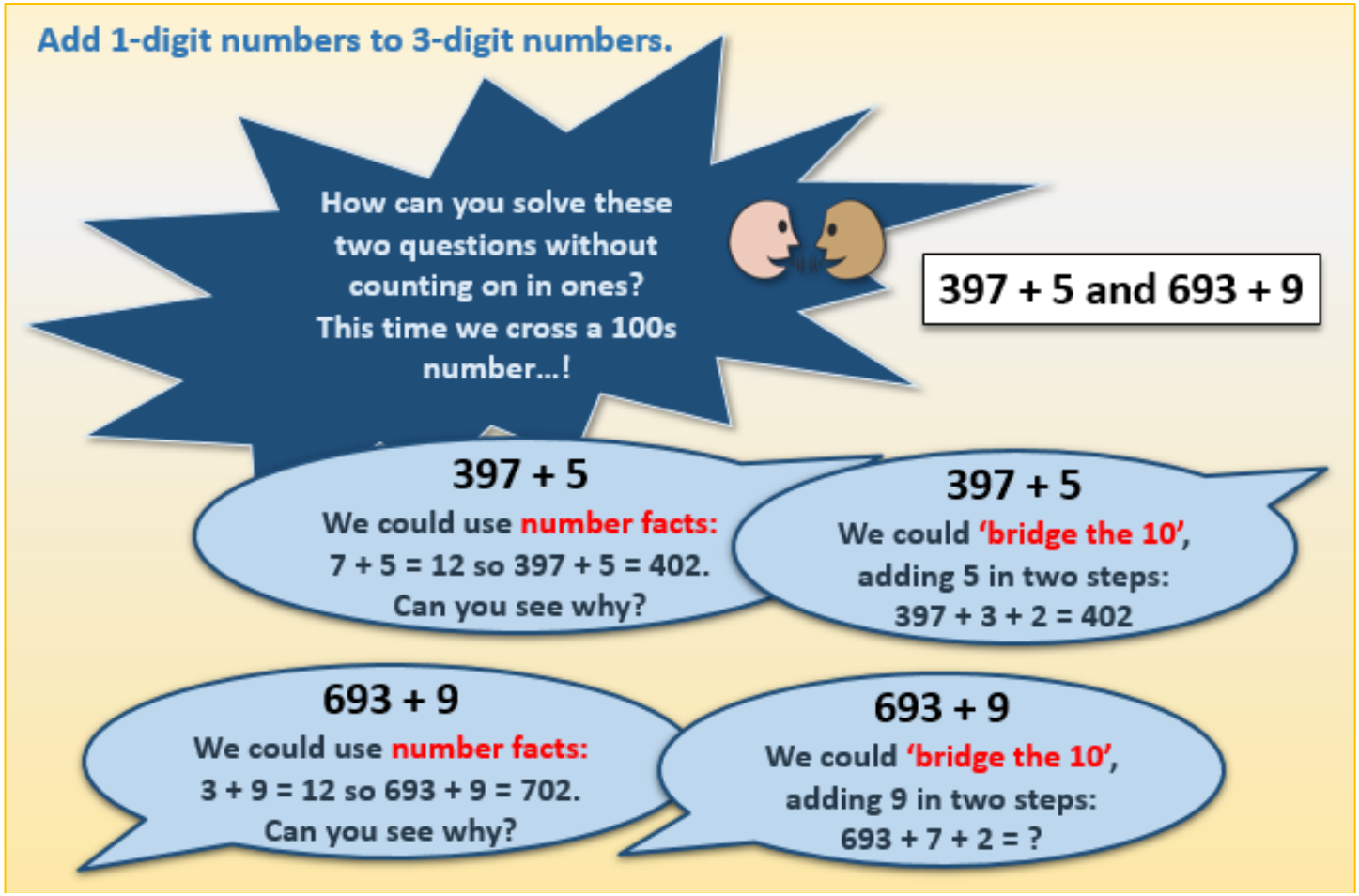
Learning Reminders



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Practice Sheet Mild

Adding 1-digit numbers to 3-digit numbers

Section A

245 + 2 =

457 + 2 =

184 + 3 =

422 + 3 =

864 + 5 =

663 + 5 =

Section B

347 + 5 =

236 + 7 =

878 + 4 =

764 + 9 =

385 + 8 =

423 + 9 =

268 + 6 =

908 + 7 =

Challenge

Can you describe what each set of calculations has in common?
Make up two more additions for each section.

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Practice Sheet Hot

Adding 1-digit numbers to 3-digit numbers

Section A

528 + 6 =

355 + 7 =

949 + 8 =

767 + 8 =

684 + 7 =

848 + 5 =

909 + 6 =

517 + 7 =

Section B

397 + 5 =

296 + 7 =

898 + 4 =

794 + 9 =

395 + 8 =

493 + 9 =

298 + 6 =

992 + 9 =

Challenge

Can you describe what each set of calculations has in common?
Make up two more additions for each section.

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Practice Sheet Answers

Practice Sheet (Mild)

Section A	Section B
245 + 2 = 247	347 + 5 = 352
457 + 2 = 459	236 + 7 = 243
184 + 3 = 187	878 + 4 = 882
422 + 3 = 425	764 + 9 = 773
864 + 5 = 869	385 + 8 = 393
663 + 5 = 668	423 + 9 = 432
	268 + 6 = 274
	908 + 7 = 915

Challenge

Section A: Use number facts to add the 1s digits.
Section B: 'Target the 10' to add across a multiple of 10.

Practice Sheet (Hot)

Section A	Section B
528 + 6 = 534	397 + 5 = 402
355 + 7 = 362	296 + 7 = 303
949 + 8 = 957	898 + 4 = 902
767 + 8 = 775	794 + 9 = 803
684 + 7 = 691	395 + 8 = 403
848 + 5 = 853	493 + 9 = 502
909 + 6 = 915	298 + 6 = 304
517 + 7 = 524	992 + 9 = 1001

Challenge

Section A: 'Target the 10' to add across a multiple of 10.
Section B: 'Target the 10' again, this time crossing a multiple of 100.

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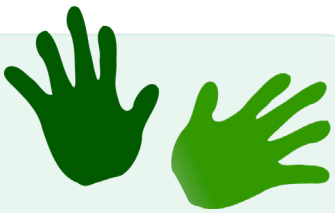
A Bit Stuck?
Hops to fours

Work in pairs, but record your work on your own sheet.

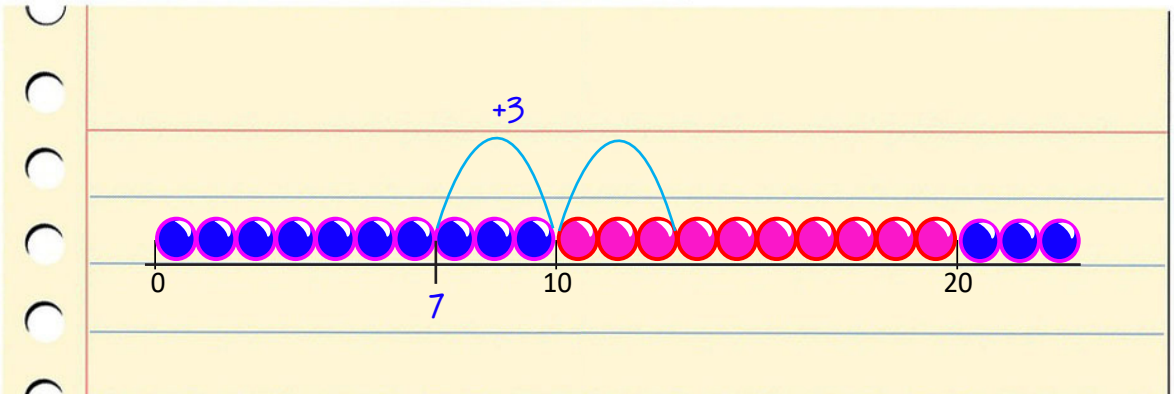
Things you will need:
- A sheet of 0 to 100 beaded lines
- A pencil



What to do:

- Choose a set of three additions to work out on one beaded line.
  Score 1 point for each correct answer, but 10 points for any answers ending in 4, e.g. 14, 24, 34... 94!
- Now choose another set to work out on the next beaded line.
- Keep going. Can you score more than 30 points?

7 + 5 27 + 5 57 + 5	18 + 6 48 + 6 78 + 6
9 + 5 19 + 5 39 + 5	37 + 7 67 + 7 87 + 7
26 + 8 56 + 8 86 + 8	8 + 3 38 + 3 68 + 3



S-t-r-e-t-c-h:
Use landmarked lines instead of beaded lines.

Learning outcomes:
- I can bridge 10 when adding 1-digit numbers to 2-digit numbers, e.g. 48 + 5, using a beaded line to help.
- I am beginning to bridge 10 when adding 1-digit numbers to 2-digit numbers, e.g. 48 + 5, using a landmarked line to help.

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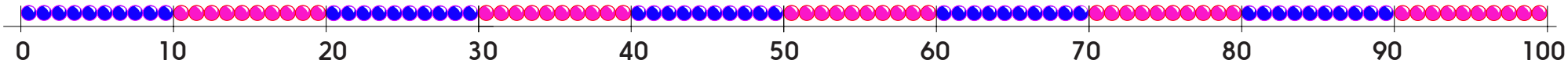
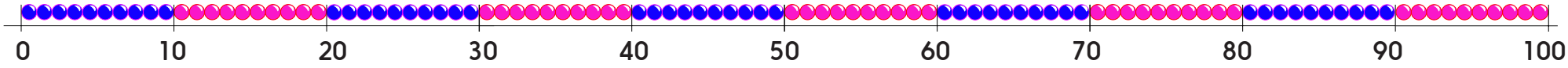
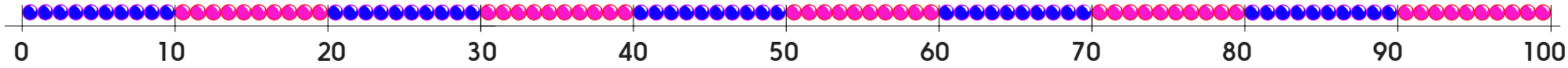
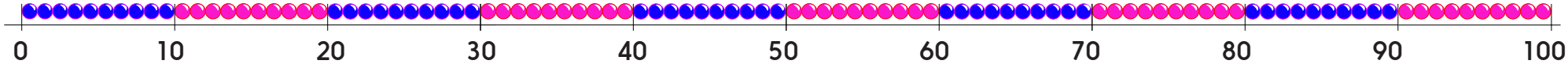
A Bit Stuck?

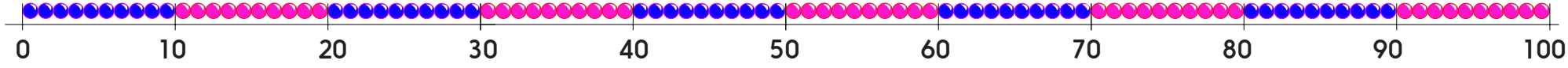
Hops to fours











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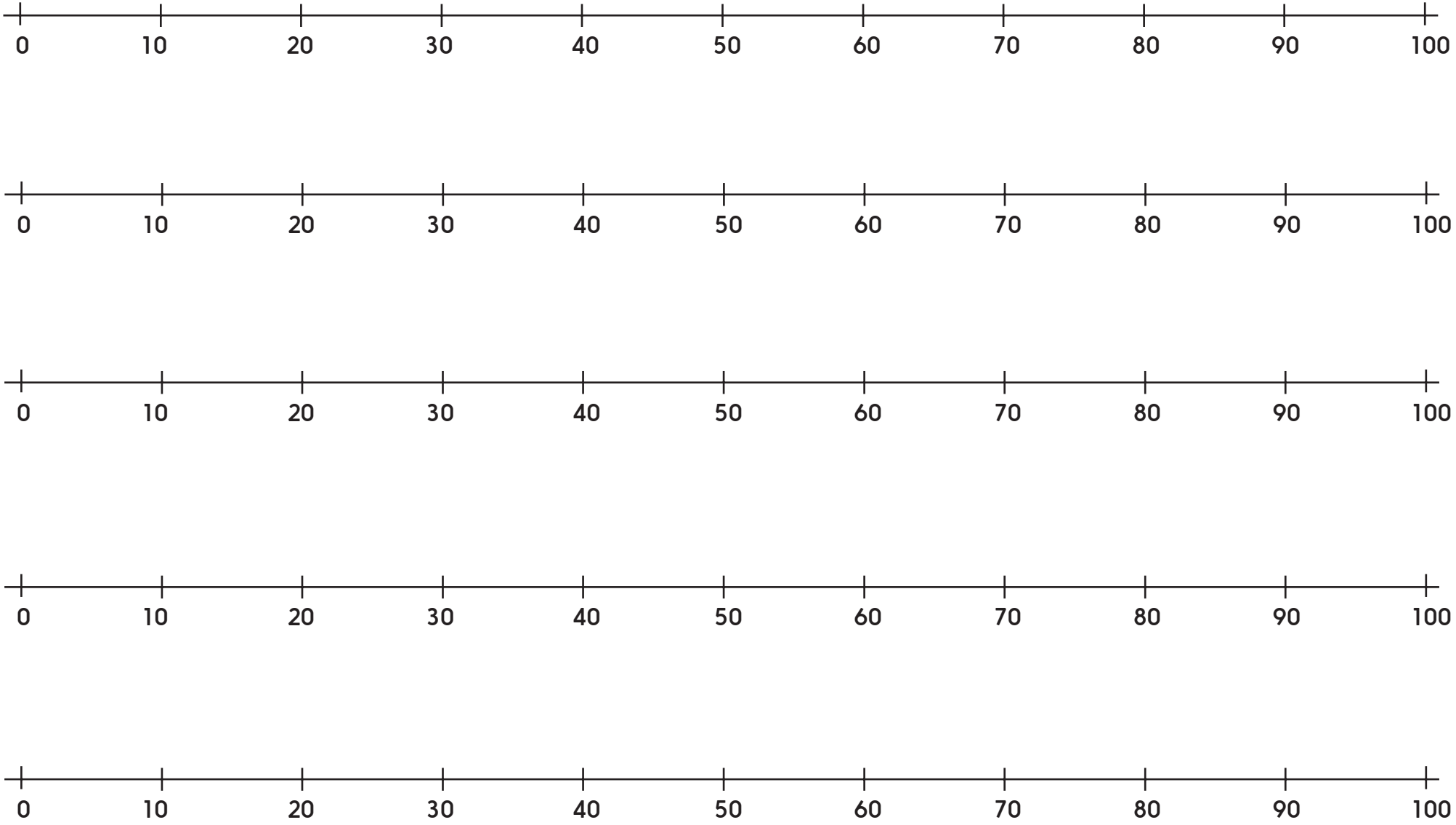
A Bit Stuck?

Hops to fours



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Check your understanding:

Questions

Complete the bar models:

?	
347	7

?	
555	8

Kit says 'If I keep adding 6 to 152, I'll eventually reach exactly 200'. Is he correct?

How many times does 7 need to be added to 268 so that the answer is greater than 300?

Fold here to hide answers:

Check your understanding:

Answers

Complete the bar models:

354	
347	7

563	
555	8

Kit says 'If I keep adding 6 to 152, I'll eventually reach exactly 200'. Is he correct? He is - counting on in 6s from 152: 158, 164, 170, 176, 182, 188, 194, 200.

How many times does 7 need to be added to 268 so that the answer is greater than 300?
5 times. Counting on in 7s: 275, 282, 289, 296, 304.

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