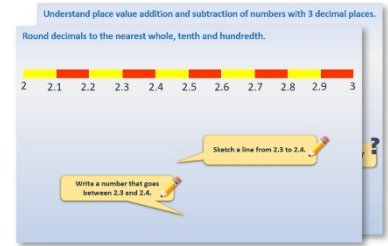


# Year 3: Week 5, Day 2

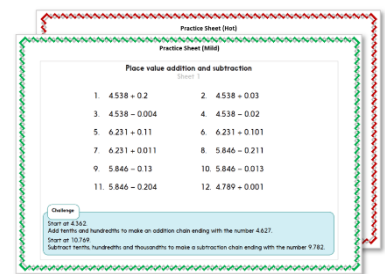
## Rounding to the nearest 10 and 100

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

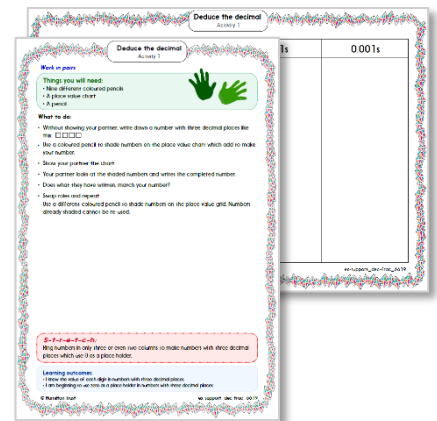
1. Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.



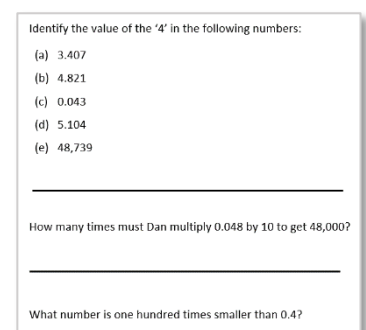
2. Tackle the questions on the **Practice Sheet**. There might be a choice of either **Mild** (easier) or **Hot** (harder)! Check the answers.



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



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



## Learning Reminders

Place 3-digit numbers on landmarked lines (sections with 10s, then just 100s marked) and round to the nearest 10 and 100.

600 700

684

Is 684 closer to 600 or 700?

Is it more than 650?

684 rounds up to **700** if rounding to nearest **100**.

What 2 multiples of 10 is it between?

Is 684 closer to 680 or 690?

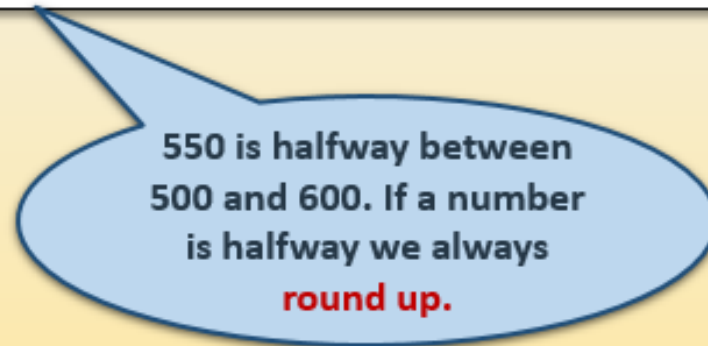
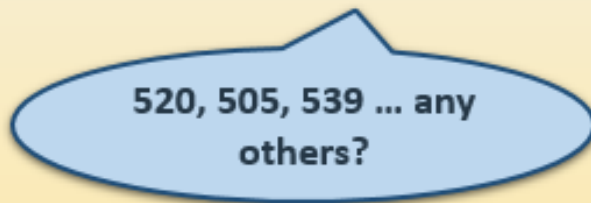
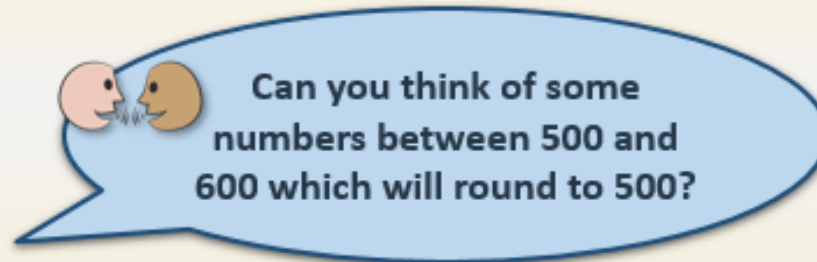
684 rounds down to **680** if rounding to nearest **10**.

680 690

684

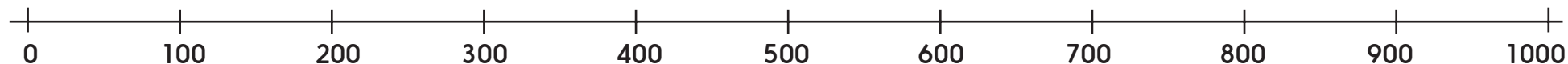
## Learning Reminders

Place 3-digit numbers on landmarked lines (sections with 10s, then just 100s marked) and round to the nearest 10 and 100.



## Practice Sheet Mild

### Round numbers to the nearest 100



Mark each of these numbers as accurately as possible on the line:

379      426      718      584      290      637      305      849      925      452

Round each number to the nearest multiple of 100.

379 rounds to

426 rounds to

718 rounds to

584 rounds to

290 rounds to

637 rounds to

305 rounds to

849 rounds to

925 rounds to

452 rounds to

#### Challenge

Write four numbers between 200 and 300. Two should round to 200 and two should round to 300.

## Practice Sheet Hot

### Rounding to 100 and 10

Round the following numbers to the nearest multiple of 100, then to the nearest 10.

563

432

677

121

250

835

386

704

919

#### Challenge

Can you write 5 numbers closer to 300 than 200, but that can each be rounded to a different multiple of 10?

# Practice Sheets Answers

## Round numbers to the nearest 100 (mild)

379 rounds to 400

718 rounds to 700

290 rounds to 300

305 rounds to 300

925 rounds to 900

426 rounds to 400

584 rounds to 600

637 rounds to 600

849 rounds to 800

452 rounds to 500

### Challenge

Write four numbers between 200 and 300. Two should round to 200 and two should round to 300.

Accept answers within the following ranges:

201-249 all round to 200

250-299 all round to 300

## Rounding to 100 and 10 (hot)

|     | <u>Nearest 100</u> | <u>Nearest 10</u> |
|-----|--------------------|-------------------|
| 563 | 600                | 560               |
| 432 | 400                | 430               |
| 677 | 700                | 680               |
| 121 | 100                | 120               |
| 250 | 300                | 250               |
| 835 | 800                | 840               |
| 386 | 400                | 390               |
| 704 | 700                | 700               |
| 919 | 900                | 920               |

### Challenge

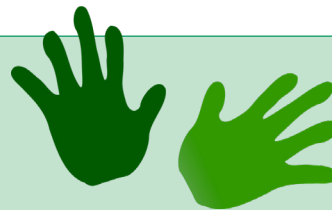
Can you write 5 numbers closer to 300 than 200 but that can each be rounded to a different 10? Accept 5 numbers that are over 250 but round to different 10s, e.g. 253, 261, 268, 278, 292.

## A Bit Stuck? Tag to 200

Work in pairs

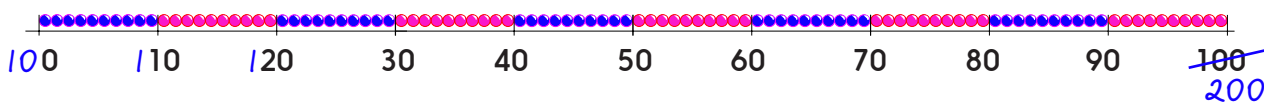
### Things you will need:

- A 0 to 100 beaded line
- 100, 10s and 1s place value cards
- A pencil



### What to do:

- Adapt the 0 to 100 beaded line to become a 100 to 200 beaded line. Change 0 to 100, 10 to 110, 20 to 120 and so on.



- Place the 100 card, shuffled 10s cards, face down, and shuffled 1s cards, face down, side by side.



- One person turns over the top 10s card. The other person turns over the top 1s card. What number do the three cards make? Draw a tag to show this number on your beaded line.
- Have you both drawn the tag in the same place?
- Repeat with the next 10s and 1s cards.
- Can you get through all the cards before time is up?

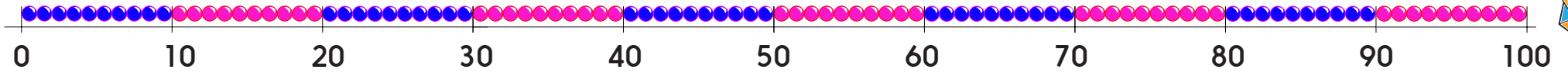
### *S-t-r-e-t-c-h:*

Make the 0 to 100 landmarked line into a 100 to 200 line. Use this line instead of the beaded line.

### Learning outcomes:

- I can place numbers between 100 and 200 on a 0 to 200 beaded line.
- I am beginning to place numbers between 100 and 200 on a 0 to 200 landmarked line.

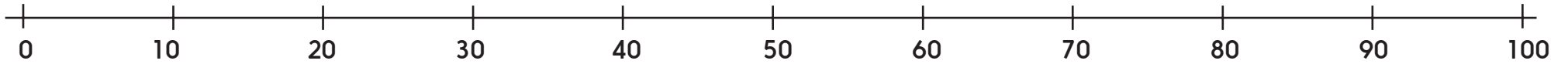
# A Bit Stuck? Tag to 200

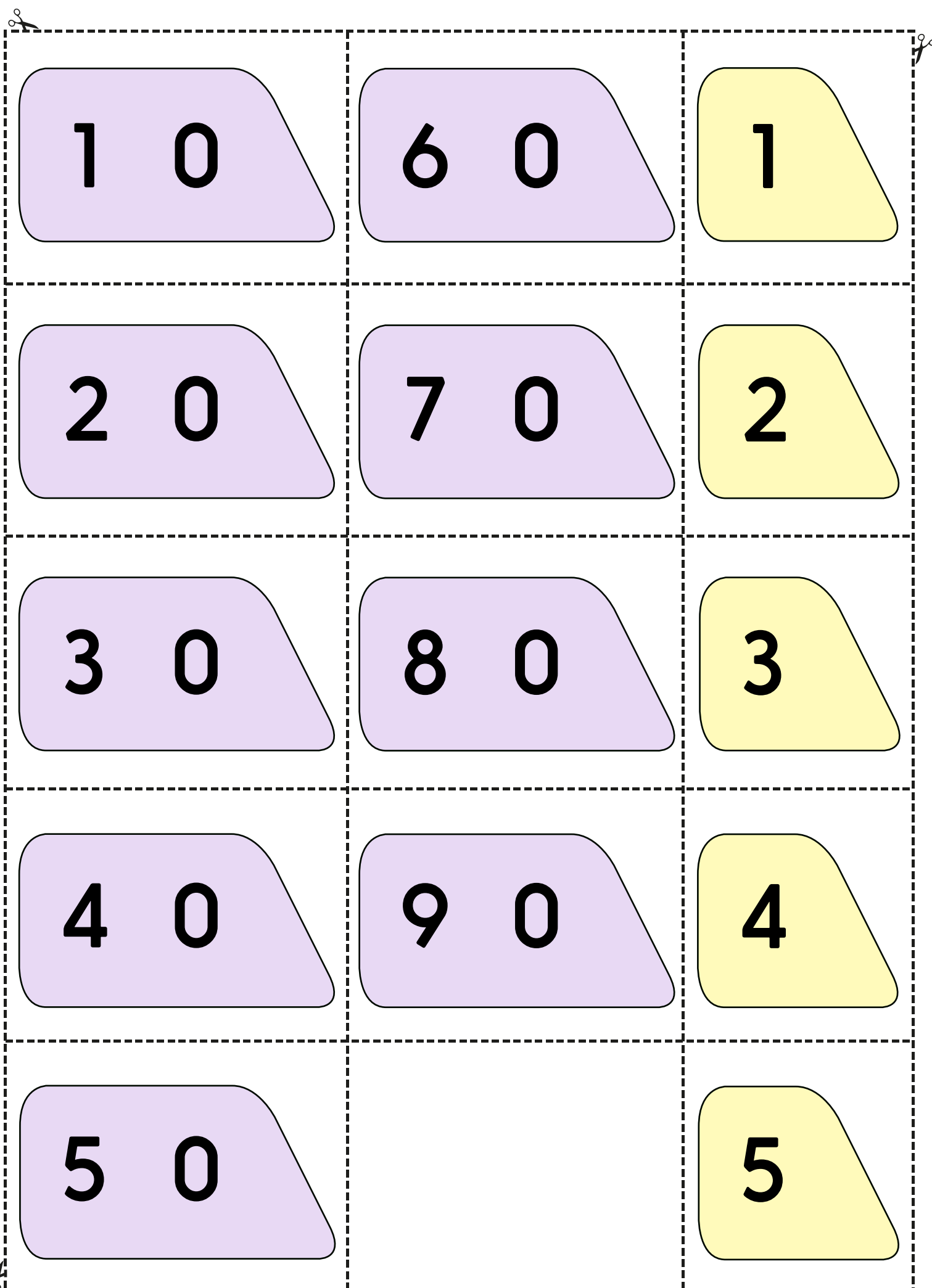






**A Bit Stuck?**  
**Tag to 200**





1 0

6 0

1

2 0

7 0

2

3 0

8 0

3

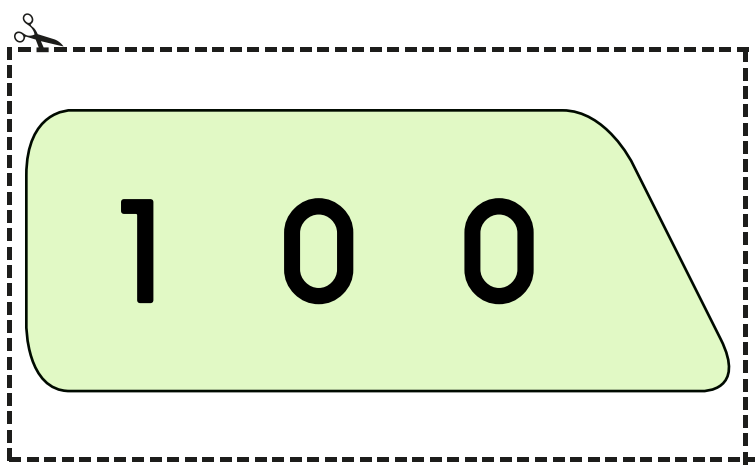
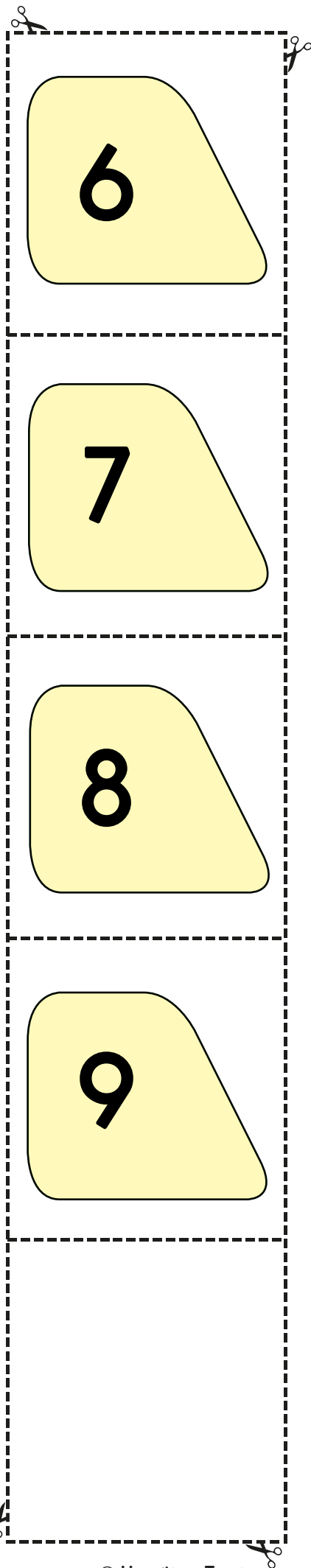
4 0

9 0

4

5 0

5



## Check your understanding

### Questions

Write two numbers which round to 300 as the nearest 100.  
One must be less than 300 and one must be more.

---

Write two numbers that round to 120 as the nearest 10.  
One must be less than 120, and one must be more.

---

Round 448 to the nearest 10.  
Round the same number to the nearest 100.

*Fold here to hide answers*

---

## Check your understanding

### Answers

Write two numbers which round to 300 as the nearest 100.  
One must be less than 300 and one must be more.  
One number should be 250-299 and one 301 – 349 (note not 350).  
Model this and the following question on a number line if children are unclear.

---

Write two numbers that round to 120 as the nearest 10.  
One must be less than 120, and one must be more.  
One number should be 115-119 and one 121 – 124 (note not 125).

---

Round 448 to the nearest 10. 450.  
Round the same number to the nearest 100. 400 – not 500, children need to refer to the original number 448 not the one they have rounded to 10.