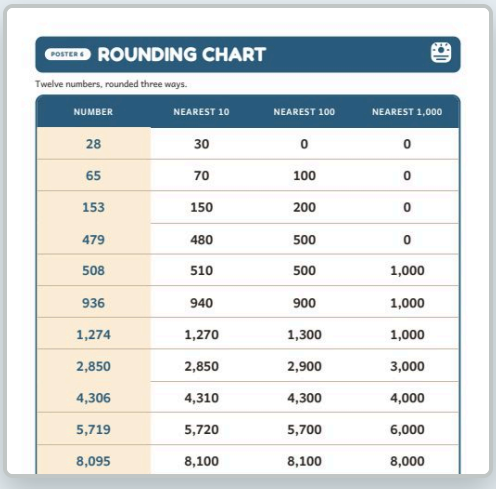
MATH

GRADES 3-4

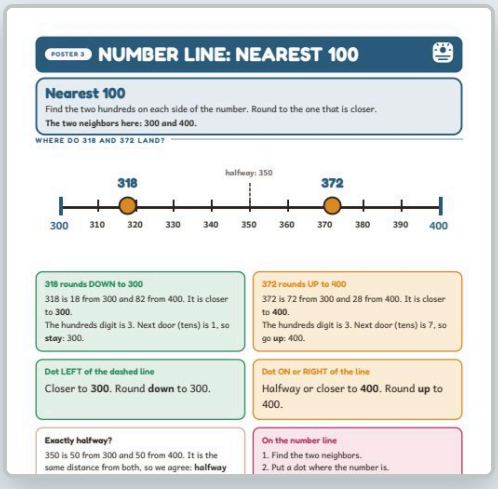
ROUNDING ANCHOR CHART

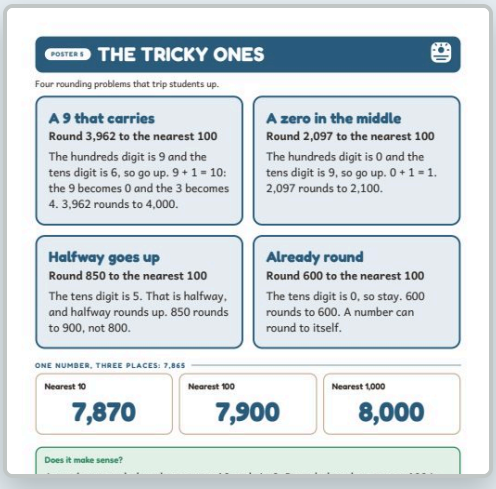
7 wall posters, number lines for 10, 100 and 1,000, notebook cards and practice pages. Fillable PDF.

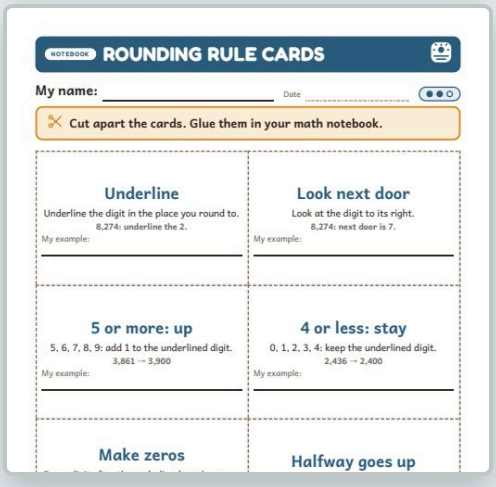

POSTER 4 ROUNDING CHART

Twelve numbers, rounded three ways.

NUMBER	NEAREST 10	NEAREST 100	NEAREST 1,000
28	30	0	0
65	70	100	0
153	150	200	0
479	480	500	0
508	510	500	1,000
936	940	900	1,000
1,274	1,270	1,300	1,000
2,850	2,850	2,900	3,000
4,306	4,310	4,300	4,000
5,719	5,720	5,700	6,000
8,095	8,100	8,100	8,000






NOTEBOOK ROUNDING RULE CARDS

My name: _____ Date _____

Cut apart the cards. Glue them in your math notebook.

Underline
Underline the digit in the place you round to.
8,274: underline the 2.
My example: _____

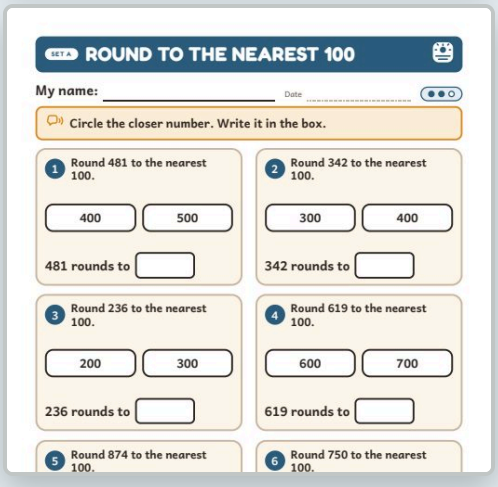
Look next door
Look at the digit to its right.
8,274: next door is 7.
My example: _____

5 or more: up
5, 6, 7, 8, 9: add 1 to the underlined digit.
3,861 → 3,900
My example: _____

4 or less: stay
0, 1, 2, 3, 4: keep the underlined digit.
2,436 → 2,400
My example: _____

Make zeros

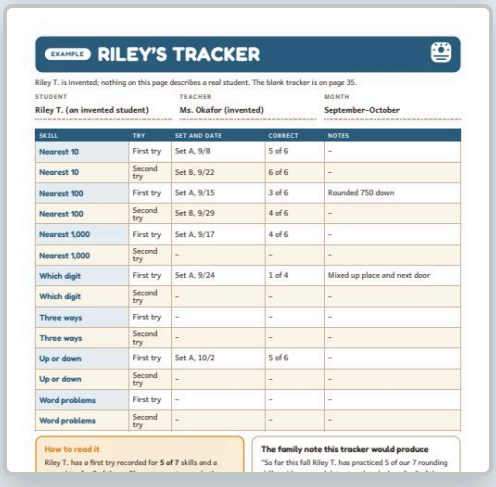
Halfway goes up


SET A ROUND TO THE NEAREST 100

My name: _____ Date _____

Circle the closer number. Write it in the box.

1. Round 481 to the nearest 100.
   400 500
   481 rounds to ☐
2. Round 342 to the nearest 100.
   300 400
   342 rounds to ☐
3. Round 236 to the nearest 100.
   200 300
   236 rounds to ☐
4. Round 619 to the nearest 100.
   600 700
   619 rounds to ☐
5. Round 874 to the nearest 100.
6. Round 750 to the nearest 100.


EXAMPLE RILEY'S TRACKER

Riley T. is invented; nothing on this page describes a real student. The blank tracker is on page 35.

STUDENT: Riley T. (an invented student) | TEACHER: Ms. Okafor (invented) | MONTH: September–October

SKILL	TRY	SET AND DATE	CORRECT	NOTES
Nearest 10	First try	Set A, 9/8	5 of 6	–
Nearest 10	Second try	Set B, 9/22	6 of 6	–
Nearest 100	First try	Set A, 9/15	3 of 6	Rounded 750 down
Nearest 100	Second try	Set B, 9/29	4 of 6	–
Nearest 1,000	First try	Set A, 9/17	4 of 6	–
Nearest 1,000	Second try	–	–	–
Which digit	First try	Set A, 9/24	1 of 4	Mixed up place and next door
Which digit	Second try	–	–	–
Three ways	First try	–	–	–
Three ways	Second try	–	–	–
Up or down	First try	Set A, 10/2	5 of 6	–
Up or down	Second try	–	–	–
Word problems	First try	–	–	–
Word problems	Second try	–	–	–

How to read it
Riley T. has a first try recorded for 5 of 7 skills and a

The family note this tracker would produce
"So far this fall Riley T. has practiced 5 of our 7 rounding

Fillable PDF | **43 Pages** | **7 Posters** | **Notebook Cards**

BRIGHT PATH SPED

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PREVIEW

HOW IT WORKS

HOW TO READ A PAGE

THE PARTS OF A PAGE

White box
The child writes here with a pencil.

Show your work
A big dashed box for drawing a number line or writing steps. Nothing is scored from it.

Circle one
Two numbers, or UP and DOWN. The child circles one.

Shaded box
A hint area on the sort pages: the rule to follow.

THE PRACTICE FORMATS

PAGE	WHAT THE CHILD DOES	WHAT IT ASKS FOR
Round Up or Round Down?	circle one	Decide up or down, then write the number. One dot.
Round to the Nearest 10 / 100 / 1,000	circle, then write	Circle the closer neighbor and write it. One or two dots.
Which Digit Decides?	boxes	Find the place digit and the next-door digit, then round. Two dots.
Round It Three Ways	write three answers	One number rounded to 10, 100 and 1,000. Three dots.
Sorts	cut and glue	16 number cards into two boxes. Two dots.
Word Problems	show your work	Work in a big box, then write the answer. Three dots.

One number, three ways

Round to the Nearest 100: 4,682 → 4,700.
Round It Three Ways: 4,682 → 4,680, 4,700, 5,000.
Round Up or Round Down? 4,682 to the nearest 100: UP. The answer keys (pages 33, 34) list every item this way.

Color or black and white

Every page prints clean in black and white. The shaded boxes and tinted rows are light enough to photocopy. Posters look best in color if you have it.

Printing and the type-in fields

In any PDF reader, click a name line, a tracker cell or a note box to type into it, then save. The student worksheets are pencil work. This is a PDF, not a slideshow or a word-processor file.

The dots in the corner

One dot is the easiest page, two is the standard page and three is the page that asks for more. The dots are the only code for how hard a page is. There is no word printed on a page a student holds.

Practice, not a graded test

Nothing here is timed or scored against a norm. The tracker and class grid (pages 35, 36) are for your own notes on what a student still mixes up.

PREVIEW

POSTER 1

HOW TO ROUND

Round

Change a number to the closest 10, 100 or 1,000. The new number is easier to say and to add. It is about the same size.

6,347 is about 6,300.

FOUR STEPS, EVERY TIME

1. Underline the digit in the place you round to.

2. Look next door at the digit to its right.

3. Decide. 5 or more: go up. 4 or less: stay.

4. Zeros. Every digit after the underlined one becomes 0.

WORKED EXAMPLES

Round 6,347 to the nearest 100

6 , 3 4 7 → 6,300

The hundreds digit is 3. Next door (tens) is 4, so **stay**: 6,300.

Round 6,382 to the nearest 100

6 , 3 8 2 → 6,400

The hundreds digit is 3. Next door (tens) is 8, so go **up**: 6,400.

5 or more: UP

5, 6, 7, 8, 9. Add 1 to the underlined digit.

4 or less: STAY

0, 1, 2, 3, 4. Keep the underlined digit.

Halfway goes up

A 5 next door is exactly halfway, and halfway rounds up.

ONE NUMBER, THREE PLACES: 6,347

Nearest 10	Nearest 100	Nearest 1,000
6,350	6,300	6,000

Say it out loud: "6,382 rounded to the nearest hundred is 6,400."

PREVIEW

POSTER 3

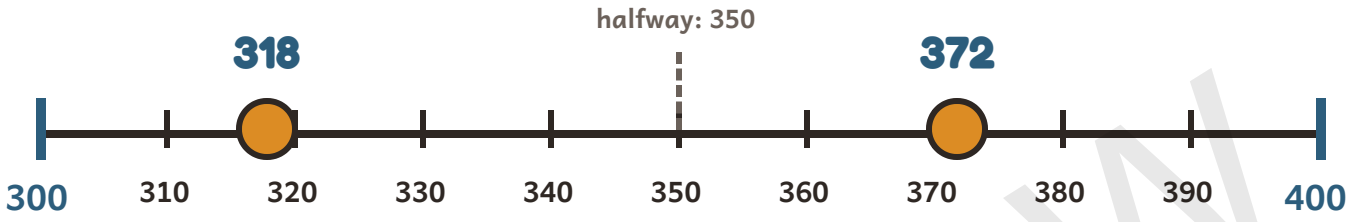
NUMBER LINE: NEAREST 100

Nearest 100

Find the two hundreds on each side of the number. Round to the one that is closer.

The two neighbors here: 300 and 400.

WHERE DO 318 AND 372 LAND?



318 rounds DOWN to 300

318 is 18 from 300 and 82 from 400. It is closer to **300**.

The hundreds digit is 3. Next door (tens) is 1, so **stay**: 300.

372 rounds UP to 400

372 is 72 from 300 and 28 from 400. It is closer to **400**.

The hundreds digit is 3. Next door (tens) is 7, so go **up**: 400.

Dot LEFT of the dashed line

Closer to **300**. Round **down** to 300.

Dot ON or RIGHT of the line

Halfway or closer to **400**. Round **up** to 400.

Exactly halfway?

350 is 50 from 300 and 50 from 400. It is the same distance from both, so we agree: **halfway rounds up** to 400.

On the number line

1. Find the two neighbors.
2. Put a dot where the number is.
3. Is the dot left or right of the dashed halfway line?
4. Left: round down. Right: round up.

Say it: "372 rounded to the nearest hundred is 400."

PREVIEW

POSTER 5

THE TRICKY ONES

Four rounding problems that trip students up.

A 9 that carries

Round 3,962 to the nearest 100

The hundreds digit is 9 and the tens digit is 6, so go up. 9 + 1 = 10: the 9 becomes 0 and the 3 becomes 4. 3,962 rounds to 4,000.

A zero in the middle

Round 2,097 to the nearest 100

The hundreds digit is 0 and the tens digit is 9, so go up. 0 + 1 = 1. 2,097 rounds to 2,100.

Halfway goes up

Round 850 to the nearest 100

The tens digit is 5. That is halfway, and halfway rounds up. 850 rounds to 900, not 800.

Already round

Round 600 to the nearest 100

The tens digit is 0, so stay. 600 rounds to 600. A number can round to itself.

ONE NUMBER, THREE PLACES: 7,865

Nearest 10	Nearest 100	Nearest 1,000
7,870	7,900	8,000

Does it make sense?

A number rounded to the nearest 10 ends in 0. Rounded to the nearest 100 it ends in 00. Rounded to the nearest 1,000 it ends in 000. And it should be close to the number you started with.

PREVIEW

NOTEBOOK

ROUNDING RULE CARDS

My name: _____ Date .....

Cut apart the cards. Glue them in your math notebook.

Underline

Underline the digit in the place you round to.

8,274: underline the 2.

My example:

Look next door

Look at the digit to its right.

8,274: next door is 7.

My example:

5 or more: up

5, 6, 7, 8, 9: add 1 to the underlined digit.

3,861 → 3,900

My example:

4 or less: stay

0, 1, 2, 3, 4: keep the underlined digit.

2,436 → 2,400

My example:

Make zeros

Every digit after the underlined one becomes 0.

2,436 → 2,400

My example:

Halfway goes up

A 5 next door is halfway. Halfway rounds up.

25 → 30

My example:

PREVIEW

SET A ROUND TO THE NEAREST 10

My name: _____ Date .....

Circle the closer number. Write it in the box.

1 Round 24 to the nearest 10.

20 30

24 rounds to ☐

2 Round 35 to the nearest 10.

30 40

35 rounds to ☐

3 Round 67 to the nearest 10.

60 70

67 rounds to ☐

4 Round 71 to the nearest 10.

70 80

71 rounds to ☐

5 Round 82 to the nearest 10.

80 90

82 rounds to ☐

6 Round 58 to the nearest 10.

50 60

58 rounds to ☐

PREVIEW

SET A ROUND TO THE NEAREST 100

My name: _____ Date .....

Circle the closer number. Write it in the box.

1 Round 481 to the nearest 100.

400 500

481 rounds to ☐

2 Round 342 to the nearest 100.

300 400

342 rounds to ☐

3 Round 236 to the nearest 100.

200 300

236 rounds to ☐

4 Round 619 to the nearest 100.

600 700

619 rounds to ☐

5 Round 874 to the nearest 100.

800 900

874 rounds to ☐

6 Round 750 to the nearest 100.

700 800

750 rounds to ☐

PREVIEW

SET A ROUND TO THE NEAREST 1,000

My name: _____ Date .....

Circle the closer number. Write it in the box.

1 Round 8,240 to the nearest 1,000.

8,000 | 9,000

8,240 rounds to ☐

2 Round 6,517 to the nearest 1,000.

6,000 | 7,000

6,517 rounds to ☐

3 Round 7,263 to the nearest 1,000.

7,000 | 8,000

7,263 rounds to ☐

4 Round 3,482 to the nearest 1,000.

3,000 | 4,000

3,482 rounds to ☐

5 Round 1,905 to the nearest 1,000.

1,000 | 2,000

1,905 rounds to ☐

6 Round 4,500 to the nearest 1,000.

4,000 | 5,000

4,500 rounds to ☐

PREVIEW

SET A WHICH DIGIT DECIDES?

My name: _____ Date .....

Find the digits. Then round the number.

1 **Round 3,718** to the nearest 100.

Place digit ☐ **Next door** ☐ **Rounds to** ☐

2 **Round 7,359** to the nearest 10.

Place digit ☐ **Next door** ☐ **Rounds to** ☐

3 **Round 2,846** to the nearest 1,000.

Place digit ☐ **Next door** ☐ **Rounds to** ☐

4 **Round 5,173** to the nearest 100.

Place digit ☐ **Next door** ☐ **Rounds to** ☐

PREVIEW

SET B ROUND IT THREE WAYS

My name: _____ Date .....

Round each number three ways. Write the answers.

4,637

10 _____ 100 _____ 1,000 _____

9,150

10 _____ 100 _____ 1,000 _____

5,802

10 _____ 100 _____ 1,000 _____

7,296

10 _____ 100 _____ 1,000 _____

1,073

10 _____ 100 _____ 1,000 _____

PREVIEW

SET B ROUND UP OR ROUND DOWN?

My name: _____ Date .....

Circle UP or DOWN. Write the new number.

1 Round 78 to the nearest 10.

UP DOWN

It rounds to ____

2 Round 391 to the nearest 100.

UP DOWN

It rounds to ____

3 Round 6,288 to the nearest 1,000.

UP DOWN

It rounds to ____

4 Round 3,500 to the nearest 1,000.

UP DOWN

It rounds to ____

5 Round 452 to the nearest 10.

UP DOWN

It rounds to ____

6 Round 7,640 to the nearest 100.

UP DOWN

It rounds to ____

PREVIEW

SET B WORD PROBLEMS

My name: _____ Date .....

Read the problem. Show your work. Write your answer.

1 A farm picked 1,359 apples. Round to the nearest 100 for the farm sign. What does the sign say?

Show your work

My answer: _____

2 Dev says 450 rounds to 400 when you round to the nearest 100. Is he right? Show how you know.

Show your work

My answer: _____

3 A bakery sold 5,980 muffins in a year. About how many is that to the nearest 1,000?

Show your work

My answer: _____

PREVIEW

SORT CARDS

NUMBER CARDS

My name: _____ Date .....

Cut apart the number cards on the dashed lines.

418	312	298	401
305	251	433	355
349	379	395	368
274	326	447	337

PREVIEW

Nearest 100. Look at the tens digit. 5 or more goes up. 4 or less stays.

SORT CARDS

NUMBER CARDS 2

My name: _____ Date .....

Cut apart the number cards on the dashed lines.

41	47	126	84
99	68	159	134
62	72	385	152
277	261	85	393

PREVIEW

Nearest 10. Look at the ones digit. 5 or more goes up. 4 or less stays.

TRACKER

ROUNDING TRACKER

STUDENT _____ TEACHER _____ MONTH _____

SKILL	TRY	SET AND DATE	CORRECT	NOTES
Nearest 10	First try			
Nearest 10	Second try			
Nearest 100	First try			
Nearest 100	Second try			
Nearest 1,000	First try			
Nearest 1,000	Second try			
Which digit	First try			
Which digit	Second try			
Three ways	First try			
Three ways	Second try			
Up or down	First try			
Up or down	Second try			
Word problems	First try			
Word problems	Second try			

PREVIEW

How to fill this in

Write the set and the date, then how many the child got right out of the number on the page (6 for each Nearest page and for Up or Down, 4 for Which Digit, 5 for Three Ways, 3 for Word Problems). “First try” and “Second try” are two different days. A blank means not tried yet, never wrong. Answer keys: pages 33 and 34. Filled example: page 39.

THIS MONTH WE ARE FOCUSING ON

FAMILY NOTE

THIS WEEK IN MATH

STUDENT

WEEK OF

THIS WEEK'S SKILL

A ready-to-send update, so the family note is never written from scratch. Everything below is a blank for your own wording. The phrase bank (page 40) has starters for each line.

WHAT WE ARE LEARNING (IN OUR CLASSROOM)

A WAY I SAW YOUR CHILD USE IT AT SCHOOL THIS WEEK

A WAY TO PRACTICE AT HOME (PAGE 38 HAS IDEAS)

SOMETHING TO CELEBRATE THIS WEEK

NOTE FROM THE TEACHER

NOTE FROM HOME

TEACHER SIGNATURE

FAMILY SIGNATURE (OPTIONAL)

PREVIEW

EXAMPLE RILEY'S TRACKER

Riley T. is invented; nothing on this page describes a real student. The blank tracker is on page 35.

STUDENT	TEACHER	MONTH
Riley T. (an invented student)	Ms. Okafor (invented)	September–October

SKILL	TRY	SET AND DATE	CORRECT	NOTES
Nearest 10	First try	Set A, 9/8	5 of 6	–
Nearest 10	Second try	Set B, 9/22	6 of 6	–
Nearest 100	First try	Set A, 9/15	3 of 6	Rounded 750 down
Nearest 100	Second try	Set B, 9/29	4 of 6	–
Nearest 1,000	First try	Set A, 9/17	4 of 6	–
Nearest 1,000	Second try	–	–	–
Which digit	First try	Set A, 9/24	1 of 4	Mixed up place and next door
Which digit	Second try	–	–	–
Three ways	First try	–	–	–
Three ways	Second try	–	–	–
Up or down	First try	Set A, 10/2	5 of 6	–
Up or down	Second try	–	–	–
Word problems	First try	–	–	–
Word problems	Second try	–	–	–

PREVIEW

How to read it

Riley T. has a first try recorded for **5 of 7** skills and a second try for **2** of those. The score went up on both second tries. Not started: three ways, word problems. The lowest first try was which digit (1 of 4). Every number comes from the table above.

The family note this tracker would produce

"So far this fall Riley T. has practiced 5 of our 7 rounding skills, with a second, later try already done for 2 of them. Which Digit Decides? is next; Round It Three Ways and Word Problems have not been started." Every fact in it is a row of the table above.

What's next for Riley

Give Which Digit Decides? a second try (page 22). Start Round It Three Ways (page 23). Nearest 1,000 has one try so far (page 20 for Set B).

ORGANIZER

BINDER COVER

Slide this into the front of a binder. The divider tabs and a spine label to cut out are on the next page.

MATH · GRADES 3–4

ROUNDING ANCHOR CHART

Posters · Notebook · Practice

TEACHER

CLASS OR STUDENT

PREVIEW