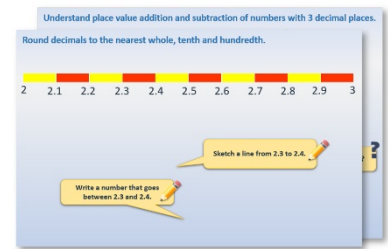


Week 10, Day 1

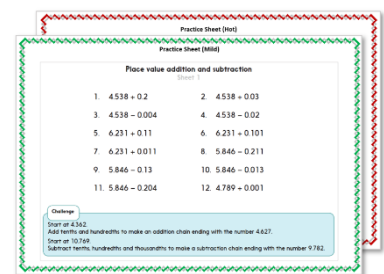
Count on in fraction steps

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

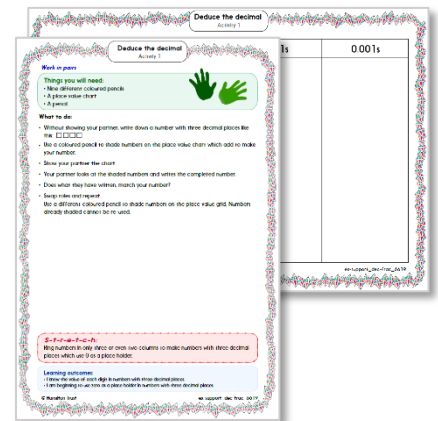
1. Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.



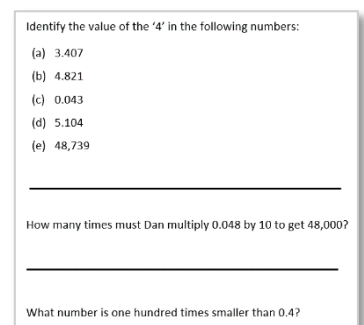
2. Tackle the questions on the **Practice Sheet**. There might be a choice of either **Mild** (easier) or **Hot** (harder)! Check the answers.



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

Count on in fraction steps.



$$1/2$$

How many
circles are there
in each row?



$$1$$



$$1\frac{1}{2}$$



$$2$$



$$2\frac{1}{2}$$

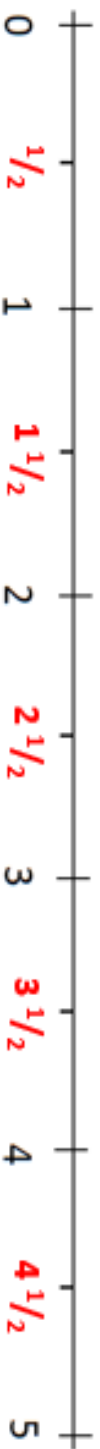
Half a circle is
added each
time.

Learning Reminders

Count on in fraction steps.

Let's start at the beginning.

We are going to count on in **halves**.



Numbers that have a whole and a fraction part are called **mixed numbers**.

Learning Reminders

Count on in fraction steps.

Let's start at the beginning.

Now we are going to count on in **quarters**.

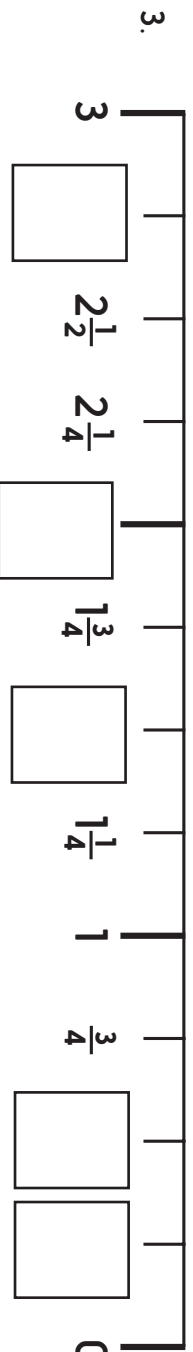
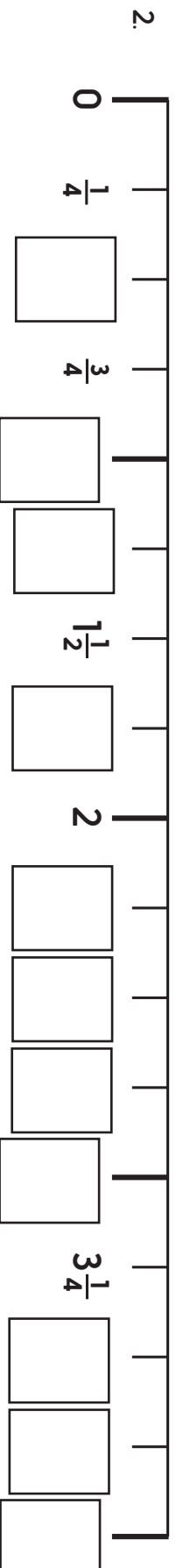
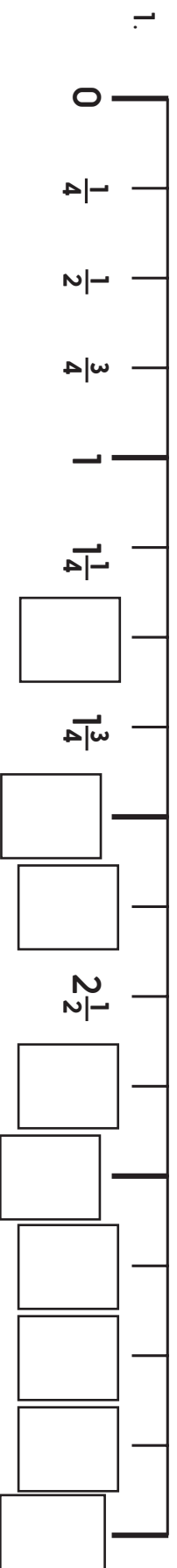


Two quarters are the same as one half so we write $\frac{1}{2}$ instead of $\frac{2}{4}$.

Practice Sheet Mild

What comes next? Halves and quarters

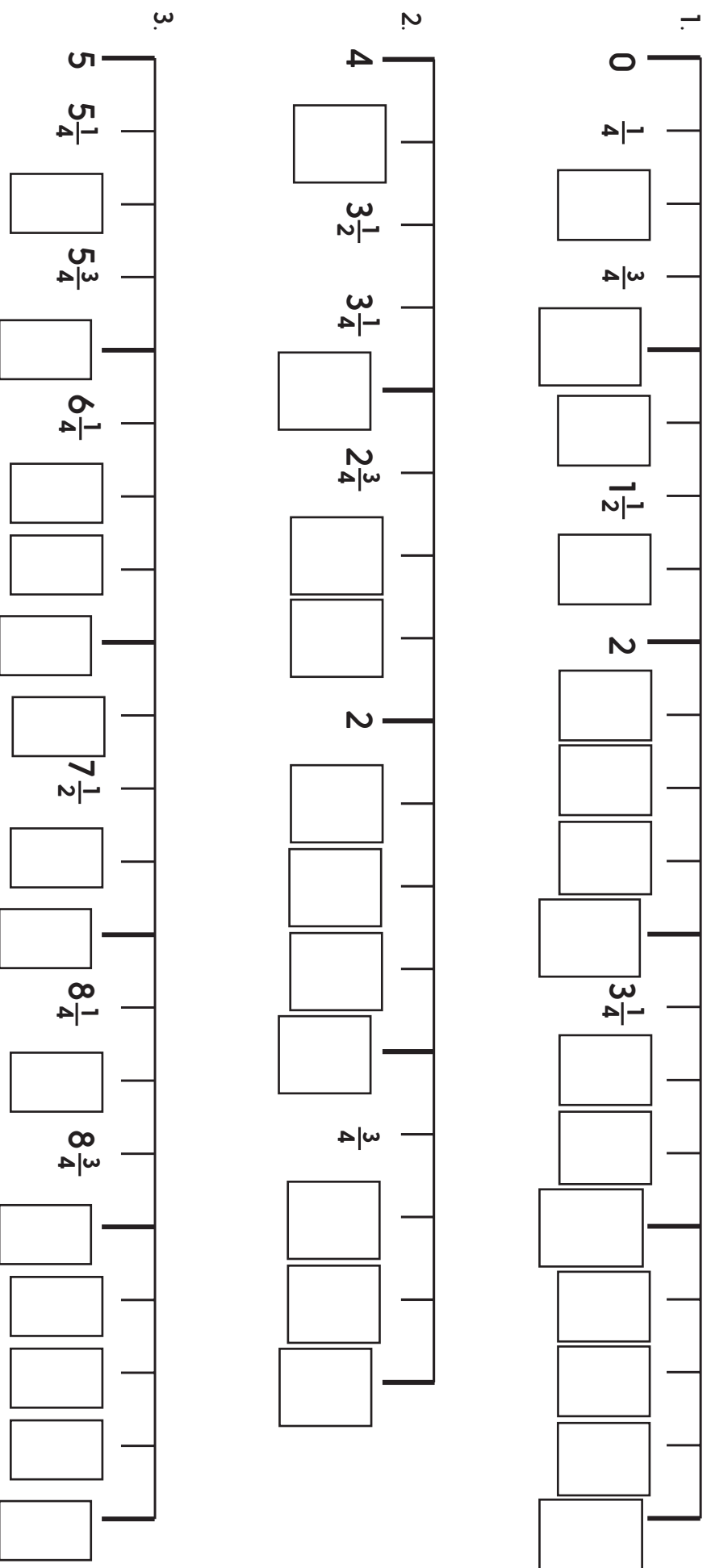
Fill in the missing numbers.



Practice Sheet Hot

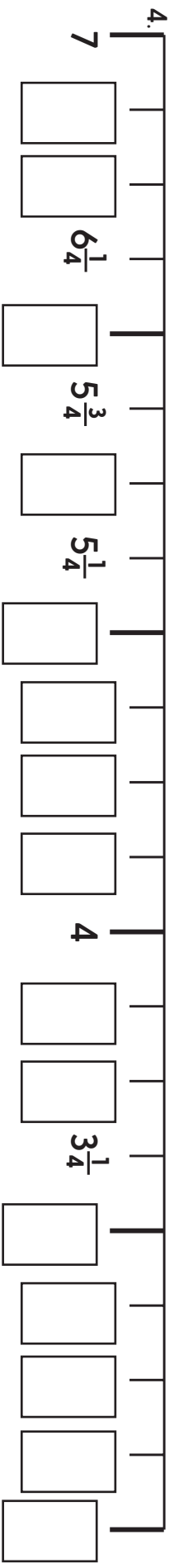
What comes next? Halves and quarters

Fill in the missing numbers.

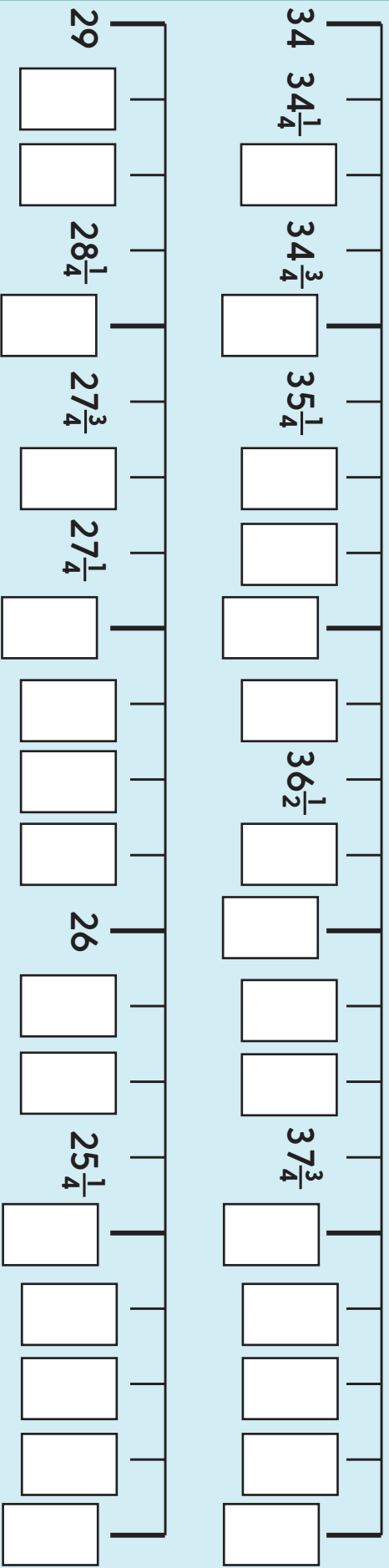


Practice Sheet Hot continued

What comes next? Halves and quarters



Challenge



Practice Sheet Answers

Practice Sheet (Mild)

1. 0 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ 1 $1\frac{1}{4}$ $1\frac{1}{2}$ $1\frac{3}{4}$ 2 $2\frac{1}{4}$ $2\frac{1}{2}$ $2\frac{3}{4}$ 3 $3\frac{1}{4}$ $3\frac{1}{2}$ $3\frac{3}{4}$ 4
2. 0 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ 1 $1\frac{1}{4}$ $1\frac{1}{2}$ $1\frac{3}{4}$ 2 $2\frac{1}{4}$ $2\frac{1}{2}$ $2\frac{3}{4}$ 3 $3\frac{1}{4}$ $3\frac{1}{2}$ $3\frac{3}{4}$ 4
3. 3 $2\frac{3}{4}$ $2\frac{1}{2}$ $2\frac{1}{4}$ 2 $1\frac{3}{4}$ $1\frac{1}{2}$ $1\frac{1}{4}$ 1 $\frac{3}{4}$ $\frac{1}{2}$ $\frac{1}{4}$ 0

Practice Sheet (Hot)

1. 0 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ 1 $1\frac{1}{4}$ $1\frac{1}{2}$ $1\frac{3}{4}$ 2 $2\frac{1}{4}$ $2\frac{1}{2}$ $2\frac{3}{4}$ 3 $3\frac{1}{4}$ $3\frac{1}{2}$ $3\frac{3}{4}$ 4
 $4\frac{1}{4}$ $4\frac{1}{2}$ $4\frac{3}{4}$ 5
2. 4 $3\frac{3}{4}$ $3\frac{1}{2}$ $3\frac{1}{4}$ 3 $2\frac{3}{4}$ $2\frac{1}{2}$ $2\frac{1}{4}$ 2 $1\frac{3}{4}$ $1\frac{1}{2}$ $1\frac{1}{4}$ 1 $\frac{3}{4}$ $\frac{1}{2}$ $\frac{1}{4}$ 0
3. 5 $5\frac{1}{4}$ $5\frac{1}{2}$ $5\frac{3}{4}$ 6 $6\frac{1}{4}$ $6\frac{1}{2}$ $6\frac{3}{4}$ 7 $7\frac{1}{4}$ $7\frac{1}{2}$ $7\frac{3}{4}$ 8 $8\frac{1}{4}$ $8\frac{1}{2}$ $8\frac{3}{4}$ 9
 $9\frac{1}{4}$ $9\frac{1}{2}$ $9\frac{3}{4}$ 10
4. 7 $6\frac{3}{4}$ $6\frac{1}{2}$ $6\frac{1}{4}$ 6 $5\frac{3}{4}$ $5\frac{1}{2}$ $5\frac{1}{4}$ 5 $4\frac{3}{4}$ $4\frac{1}{2}$ $4\frac{1}{4}$ 4 $3\frac{3}{4}$ $3\frac{1}{2}$ $3\frac{1}{4}$
3 $2\frac{3}{4}$ $2\frac{1}{2}$ $2\frac{1}{4}$ 2

Challenge

5. 34 $34\frac{1}{4}$ $34\frac{1}{2}$ $34\frac{3}{4}$ 35 $35\frac{1}{4}$ $35\frac{1}{2}$ $35\frac{3}{4}$ 36 $36\frac{1}{4}$ $36\frac{1}{2}$ $36\frac{3}{4}$
37 $37\frac{1}{4}$ $37\frac{1}{2}$ $37\frac{3}{4}$ 38 $38\frac{1}{4}$ $38\frac{1}{2}$ $38\frac{3}{4}$ 39
6. 29 $28\frac{3}{4}$ $28\frac{1}{2}$ $28\frac{1}{4}$ 28 $27\frac{3}{4}$ $27\frac{1}{2}$ $27\frac{1}{4}$ 27 $26\frac{3}{4}$ $26\frac{1}{2}$
 $26\frac{1}{4}$ 26 $25\frac{3}{4}$ $25\frac{1}{2}$ $25\frac{1}{4}$ 25 $24\frac{3}{4}$ $24\frac{1}{2}$ $24\frac{1}{4}$ 24

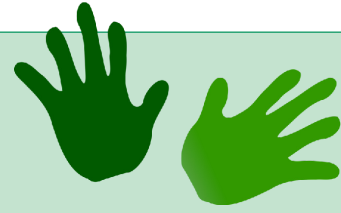
A Bit Stuck?

Order, order, order!

Work in pairs

Things you will need:

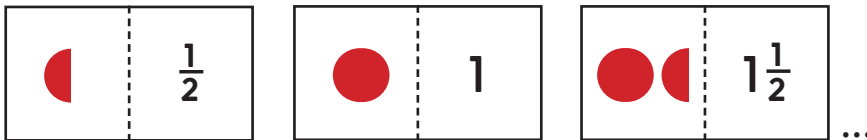
- A set of 'Halves counting fractions cards' (see resources)
- Scissors



What to do:

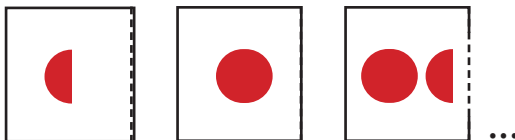
Task one

- Cut up the counting fractions cards. Don't cut along the dotted lines!
- Mix the cards up.
- Put the cards back in order, smallest number first.



Task two

- Mix the cards up.
- Fold the cards in half along the dotted lines.
- Place the cards so that the shapes are face up.
- Put the cards in order, smallest number first.




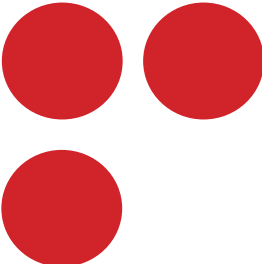



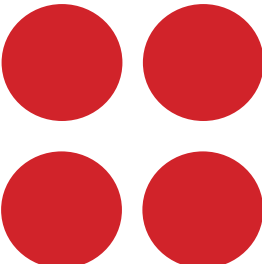

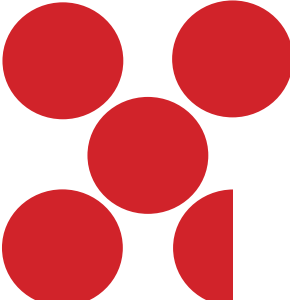
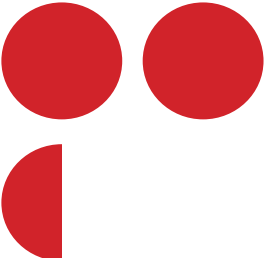
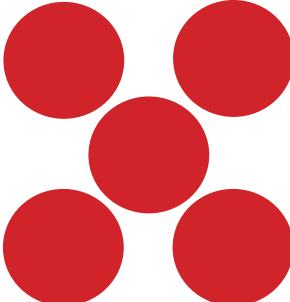
Task three

- Mix the cards up again.
- Turn them over so you can't see the shapes.
- Put the cards in order, smallest number first.



- Turn the cards over to check whether you were right!

A Bit Stuck?
Halves counting fractions cards

	$\frac{1}{2}$		3
	1		$3\frac{1}{2}$
	$1\frac{1}{2}$		4
	2		$4\frac{1}{2}$
	$2\frac{1}{2}$		5

Check your understanding: Questions

Write the missing numbers in each sequence:

$$2\frac{1}{4} \quad 2\frac{1}{2} \quad 2\frac{3}{4} \quad \square \quad \square \quad \square$$

$$4\frac{1}{2} \quad 4\frac{1}{4} \quad 4 \quad \square \quad \square \quad \square$$

$$\square \quad \square \quad 1\frac{1}{2} \quad \square \quad 2 \quad 2\frac{1}{4}$$

Fold here to hide answers:

Check your understanding: Answers

Write the missing numbers in each sequence:

$$2\frac{1}{4} \quad 2\frac{1}{2} \quad 2\frac{3}{4} \quad 3 \quad 3\frac{1}{4} \quad 3\frac{1}{2}$$

$$4\frac{1}{2} \quad 4\frac{1}{4} \quad 4 \quad 3\frac{3}{4} \quad 3\frac{1}{2} \quad 3\frac{1}{4}$$

$$1 \quad 1\frac{1}{4} \quad 1\frac{1}{2} \quad 1\frac{3}{4} \quad 2 \quad 2\frac{1}{4}$$