Measure Drill

COMPLETE PACK · FOR LEARNERS AND TEACHERS

Measuring Tools Complete Pack

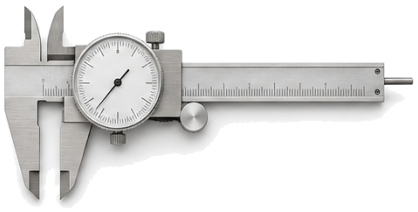
All 3 workbooks, this 21 lesson guide, 9 quizzes and 4 editable teacher slide decks.

3 workbooks | 21 lessons | 67 page guide | Teacher slides

- 21 step by step lessons: tape measures, precision tools and measurement math
- 9 quizzes with answer keys and 4 PowerPoint and Google Slides decks
- Shop Measurement Workbook, progress tracker and certificate







Updated November 2026 · Plain English · Every answer checked

Free sample · The full workbook has every page

START HERE

What is inside

Do the lessons in order, one a day. Each lesson tells you which workbook pages to use, then gives you problems to try. Every answer is at the back.

Start here 3
Welcome and how it works 3
Your files and what you may copy 4

Unit 1: Tape measures and rulers 5
Unit 1 overview 5
Lesson 1: Every mark on an inch 6
Lesson 2: Eighths and sixteenths 7
Lesson 3: Read to the sixteenth with speed 8
Lesson 4: Feet and inches, marking and metric 9
Lesson 5: Tape measure test day 10

Unit 2: Precision tools 11
Unit 2 overview 11
Lesson 6: Meet the micrometer 12
Lesson 7: Read a micrometer to 0.001" 13
Lesson 8: Vernier and metric micrometers 14
Lesson 9: Vernier calipers 15
Lesson 10: Dial calipers and dial indicators 16
Lesson 11: Precision tools test day 17

Unit 3: Measurement math 18
Unit 3 overview 18
Lesson 12: Inches, feet and yards 19
Lesson 13: Feet and inches together 21
Lesson 14: Metric and inch conversions 23
Lesson 15: Fractions and decimals 25
Lesson 16: Find the center point 27
Lesson 17: Divide into equal sections 29
Lesson 18: Equal gaps and placement 31
Lesson 19: Linear feet, square feet and pricing 33
Lesson 20: Area and perimeter 35
Lesson 21: Cubic feet and cubic yards 37
Formula sheet 39

Unit 4: Shop measurement 40
Unit 4 overview 40

Quizzes (print plain) 41
Tape measure quizzes A, B and C 41
Precision tools quizzes A, B and C 47
Measurement math quizzes A, B and C 56

Answer keys 59
Lesson answers 59
Quiz answer keys 62

Progress pages (print plain) 64
My progress 64
Class tracker (for teachers) 65
Wall chart: the marks on an inch 66
Certificate of completion 67

Free sample · The full workbook has every page

START HERE

Welcome to the Complete Pack

This pack takes you from reading the marks on a tape measure all the way to micrometers, calipers, dial indicators and the math you do with a measurement. It is made for anyone who wants to learn: on your own, before a job or trade test, at home, or in a class.

How it works

1. **Do one lesson at a time.** Each lesson tells you what you will learn, which workbook pages to use, and gives you a few problems to try right on the page.
2. **Check yourself.** Every answer is in the back of this guide. Each lesson tells you what to do if you missed some.
3. **Test yourself.** After each unit, take a quiz. There are three versions of every quiz (A, B and C), so you can try again with new problems.
4. **Track it.** Mark each lesson and quiz on the My progress page. Finish all three units and fill in your certificate.

The three units

Unit	Lessons	Uses
1. Tape measures and rulers	Lessons 1 to 5	Tape Measure Reading Workbook
2. Precision tools: micrometers, calipers and dial indicators	Lessons 6 to 11	Micrometer and Caliper Workbook
3. Measurement math: conversions, centers, spacing, area and volume	Lessons 12 to 21	This guide
4. Shop measurement: tolerances, drawings and more gauges	15 lessons	Shop Measurement Workbook

> **A good pace:** one lesson a day, about 30 minutes. That is about four weeks for the whole pack. Already confident with a tape? Start at Lesson 3, or take Tape measure quiz A first and see.

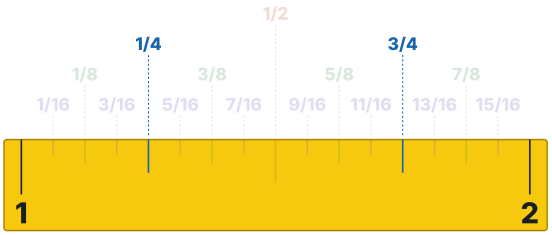
> **Teaching this?** Each lesson ends with a box like this one for teachers and instructors. The lessons work as ready made lesson plans, the 5-teacher-slides folder has a PowerPoint deck for each unit that also opens in Google Slides, the quizzes print plain like your own handouts, and there is a class tracker at the back. If you teach, you may copy any page for the students you teach.

Free sample · The full workbook has every page

UNIT 1 · LESSON 1

Every mark on an inch

You will: name the marks on an inch and read whole, half and quarter inches.
Time: about 30 minutes
Use: Tape workbook, Learn steps 1 and 2, then Practice A and B.



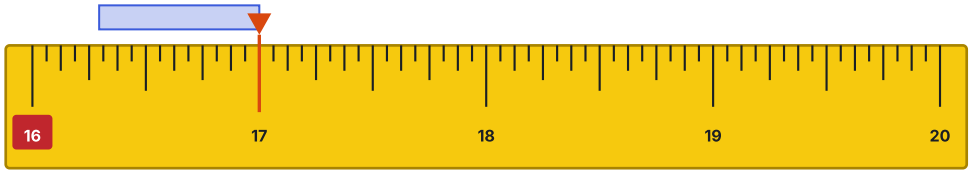
Most inch tapes split every inch into **16 equal parts**. The marks have different lengths so you can tell them apart. The long one in the middle is the **half inch**. The two next longest are the **quarters**: 1/4 and 3/4.

To read a length, find the last inch number before the end of the object, then ask: is it on the half, or on a quarter?

Try it

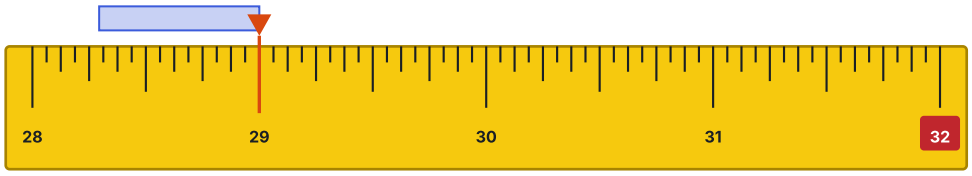
3 on this page · answers at the back

1



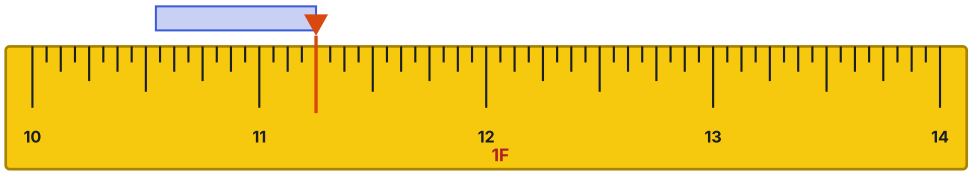
READING

2



READING

3



READING

Check yourself: 3 of 3? Go on to Lesson 2. Missed one? Do the rest of Practice B in the tape workbook, then try again.

Teaching this? Have everyone find the 1/2, 1/4 and 3/4 marks on a real tape before the Try it. Quick exit check: three readings to the quarter on the board.

Free sample · The full workbook has every page

UNIT 3 · LESSON 12

Inches, feet and yards

You will: convert between inches, feet and yards.
Time: about 30 minutes
Use: this page, then the practice page after it.

The measurement stays the same. Only the unit changes.

THE RULE

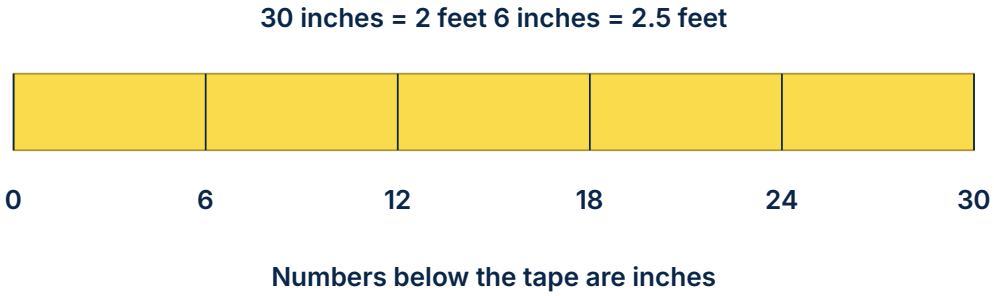
12 inches = 1 foot. 3 feet = 1 yard.

Step by step

1. To change inches to feet, divide by 12.
2. To change feet to inches, multiply by 12.
3. To change feet to yards, divide by 3.

EXAMPLE

30 inches ÷ 12 = 2.5 feet



Watch out: 2.5 feet is 2 feet 6 inches. The decimal 0.5 describes half a foot, which is 6 inches.

Warm up

Try these two before the practice page. Cover the answers first.

1. 75 in = ? ft

Answer: 6.25 ft

2. 18 ft = ? in

Answer: 216 in

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