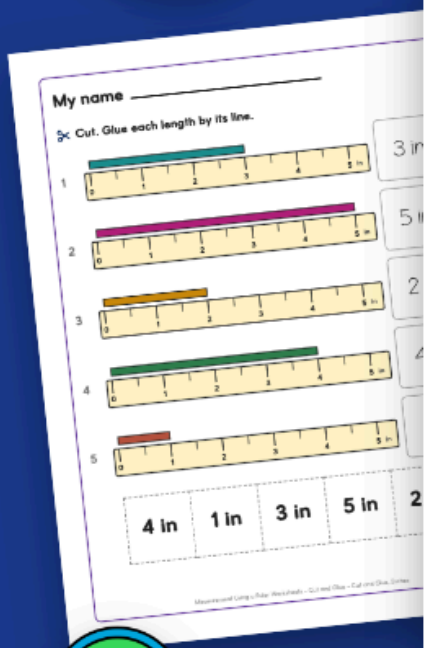
19 STUDENT PAGES

GRADES 1-3



My name _____

Measure to the nearest half inch.

Using a Ruler: Nearest Half Inch

Is the end closest to an inch mark or a half-inch mark?

1 — 1 1/2 in

2 — 2 1/2 in

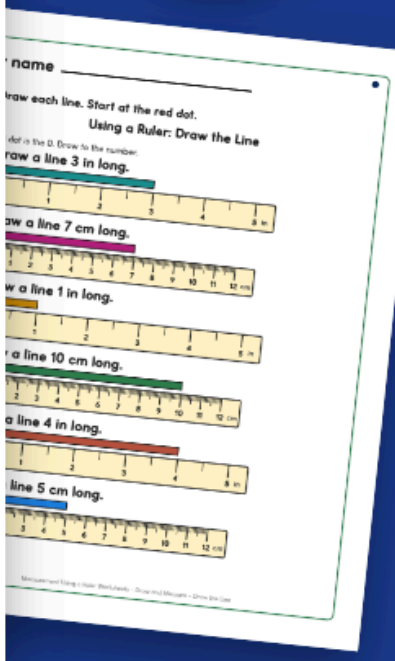
3 — 3 1/2 in

4 — 4 1/2 in

5 — 2 in

6 — 4 in

Measurement Using a Ruler Worksheets - Inches - Nearest Half Inch



Bright Path Sped

MEASUREMENT USING A RULER

INCHES, CM, HALF INCH

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This is a fillable PDF

- Open it in a PDF reader (Adobe Acrobat Reader, Preview, or your browser), click into a box, type, and Save As.
- The name line and every answer box are type-in fields. You can also print a page and let students write in the boxes with a pencil.
- It works offline once downloaded.

Print at 100 percent

Every ruler and every line is drawn to its true length, but only when the page prints at 100 percent. Turn off fit to page and shrink to fit. The print check on page 3 lets you prove it with a real ruler.

Student work

A filled-in tracker carries a student's name. Keep it in the data folder, and use a first name only on any page that leaves your hands.

Need help?

If a box will not behave or a page will not print the way you expect, use Ask a Question on the product page before leaving a review. Every question is read, and a fix to the file ships as a free update: re-download it any time from My Purchases.

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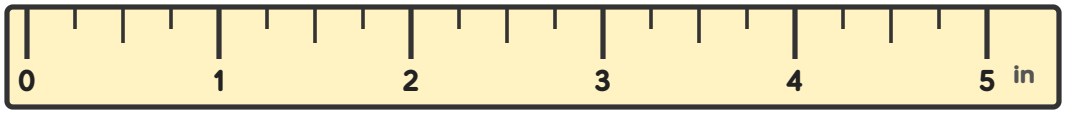
PREVIEW

My name _____

Read the ruler. Then try two.

Using a Ruler: The Inch Ruler

The marks on an inch ruler

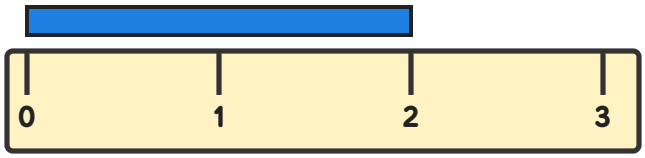


Inch
The longest mark. It has a number.

Half inch
Halfway between two inches.

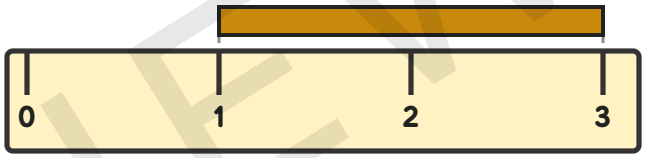
Quarter inch
Four of them make one inch.

Start at 0



The line starts at **0** and ends at **2**.
It is **2 in** long.

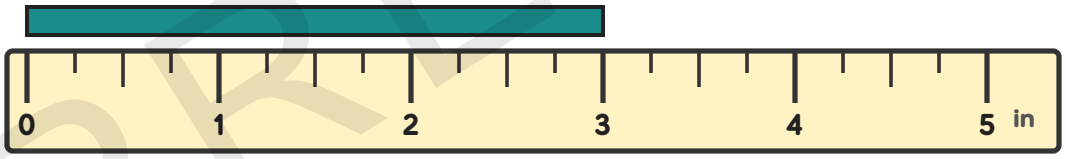
Not at 0? Count the jumps.



It starts at **1** and ends at **3**.
3 - 1 = **2 in** long.

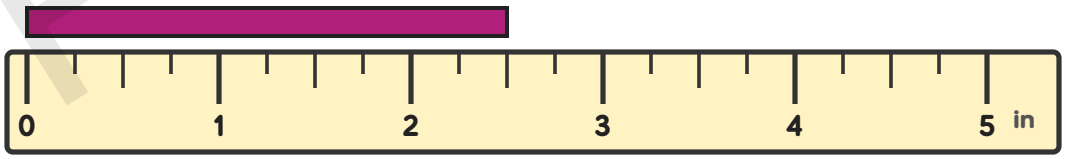
Your turn: how long is each line?

1



_____ in

2



_____ in

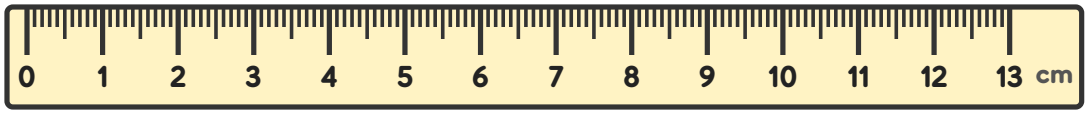
PREVIEW

My name _____

Read the ruler. Then try two.

Using a Ruler: The Centimeter Ruler

The marks on a centimeter ruler

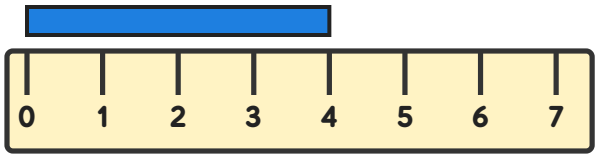


Centimeter
The longest mark. It has a number.

Half centimeter
Halfway: 5 small marks in.

Millimeter
The smallest mark. 10 make 1 cm.

Start at 0



The line starts at **0** and ends at **4**.
It is **4 cm** long.

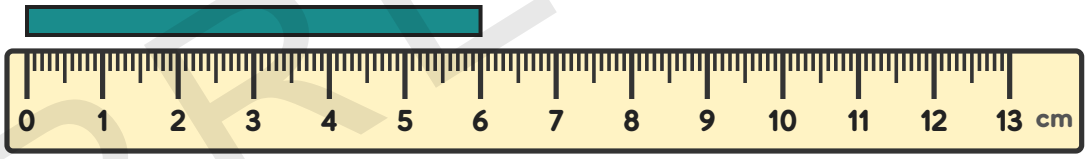
Not at 0? Count the jumps.



It starts at **2** and ends at **6**.
6 - 2 = **4 cm** long.

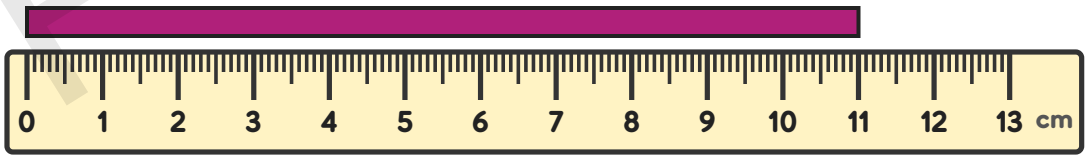
Your turn: how long is each line?

1



_____ cm

2



_____ cm

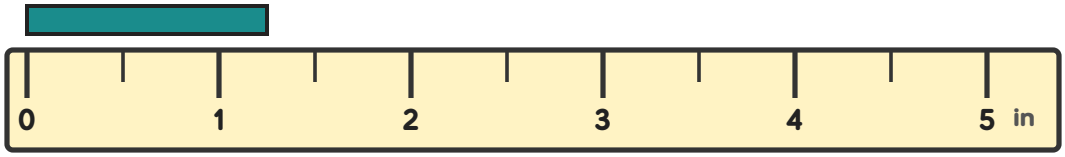
PREVIEW

My name _____

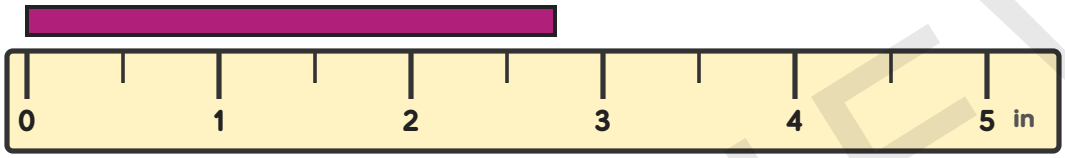
Measure to the nearest inch.

Using a Ruler: Nearest Inch

Find the end of the line. Which inch mark is closest?

1 

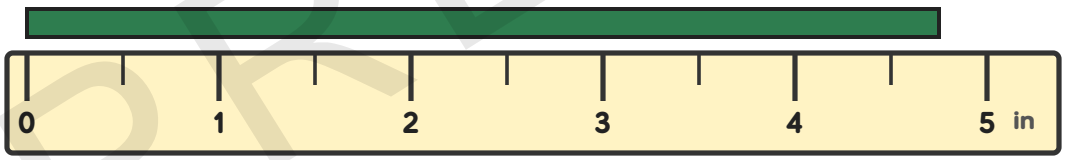
_____ in

2 

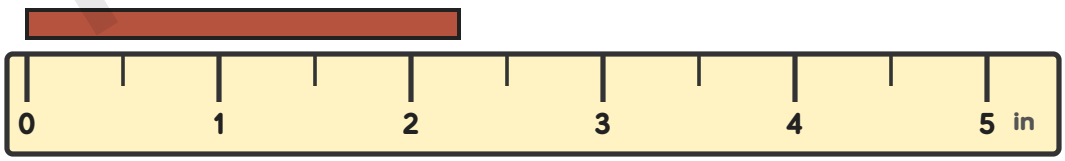
_____ in

3 

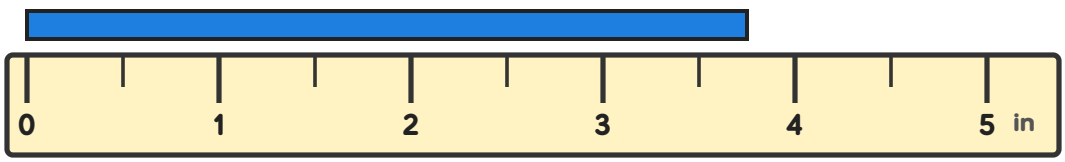
_____ in

4 

_____ in

5 

_____ in

6 

_____ in

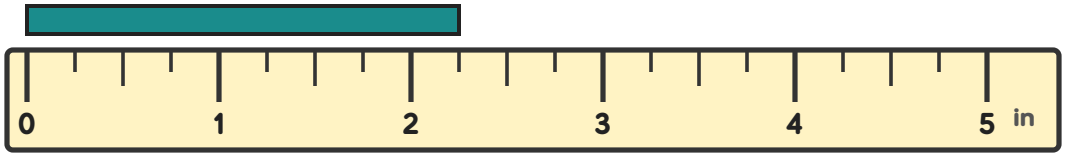
PREVIEW

My name _____

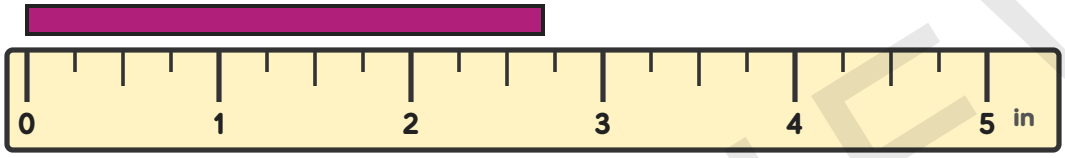
Measure to the nearest quarter inch.

Using a Ruler: Nearest Quarter Inch

Count the small marks. Each one is a quarter of an inch.

1 

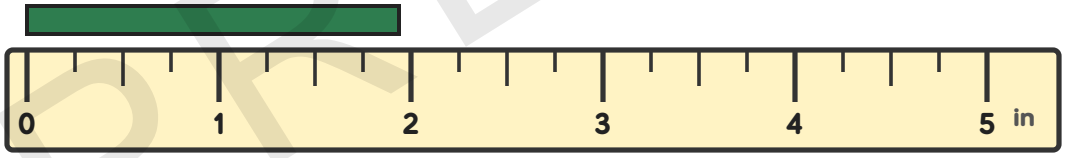
_____ in

2 

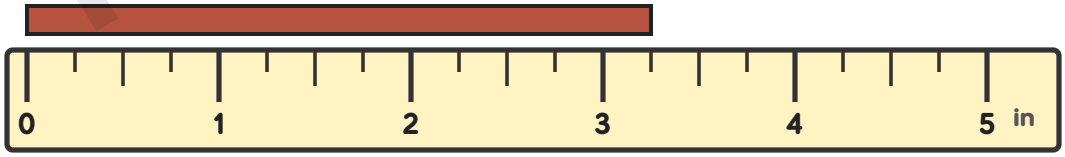
_____ in

3 

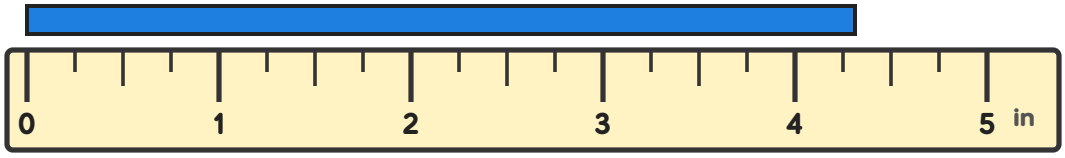
_____ in

4 

_____ in

5 

_____ in

6 

_____ in

PREVIEW

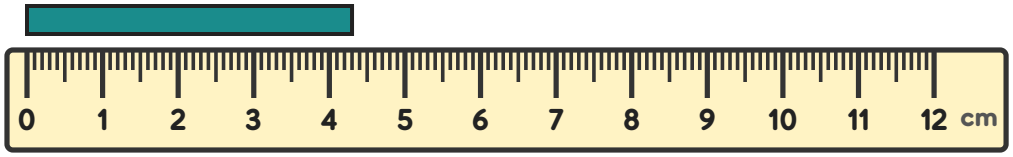
Preview · Bright Path Sped

My name _____

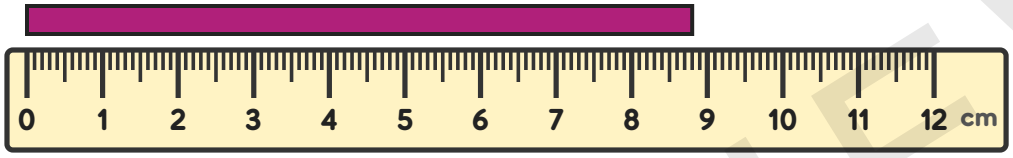
Measure to the nearest centimeter.

Using a Ruler: Nearest Centimeter

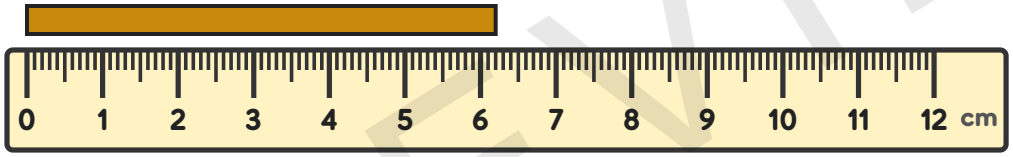
Find the end of the line. Which cm mark is closest?

1 

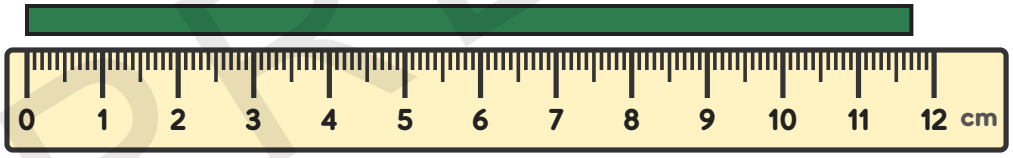
_____ cm

2 

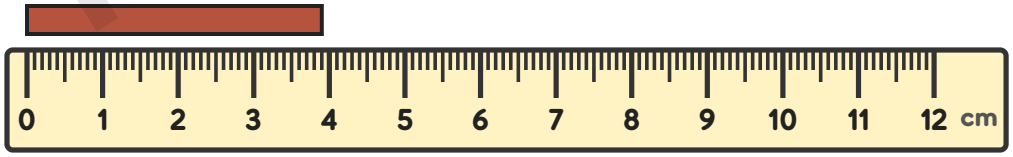
_____ cm

3 

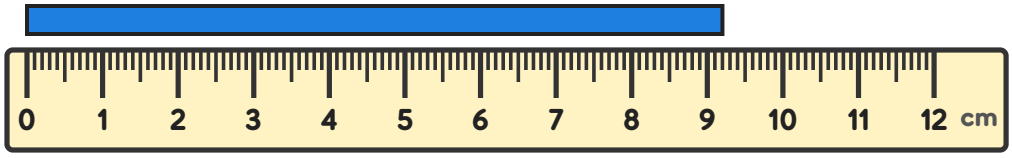
_____ cm

4 

_____ cm

5 

_____ cm

6 

_____ cm

PREVIEW

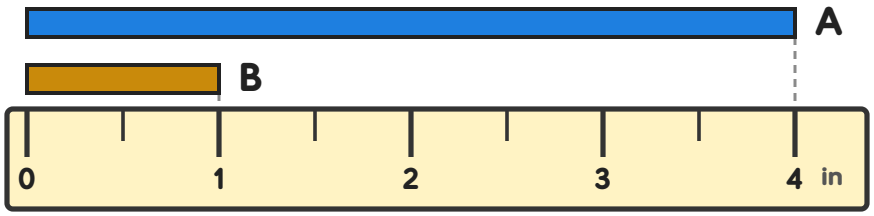
My name _____

Measure both lines. How much longer?

Using a Ruler: How Much Longer, Inches

Subtract the short line from the long line.

1

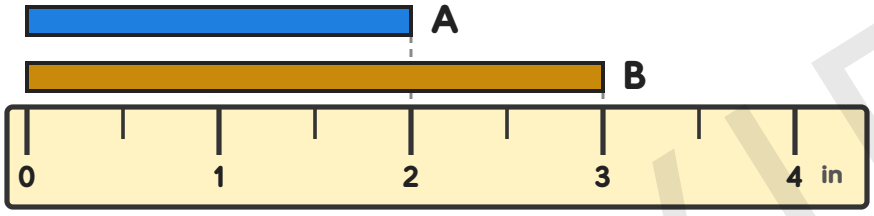


Line A ____ in

Line B ____ in

Longer by ____ in

2

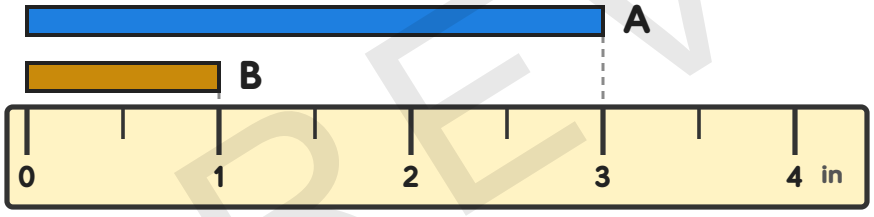


Line A ____ in

Line B ____ in

Longer by ____ in

3

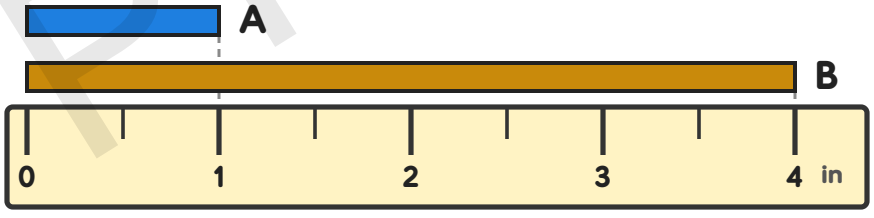


Line A ____ in

Line B ____ in

Longer by ____ in

4

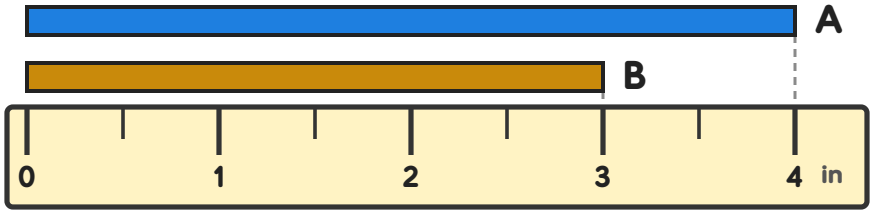


Line A ____ in

Line B ____ in

Longer by ____ in

5



Line A ____ in

Line B ____ in

Longer by ____ in

PREVIEW

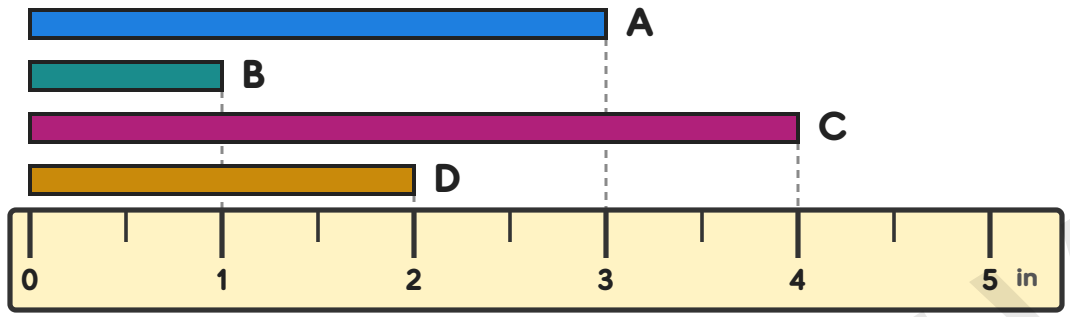
My name _____

Measure each line. Write the letters in order.

Using a Ruler: Put the Lines in Order

Start with the shortest line. End with the longest.

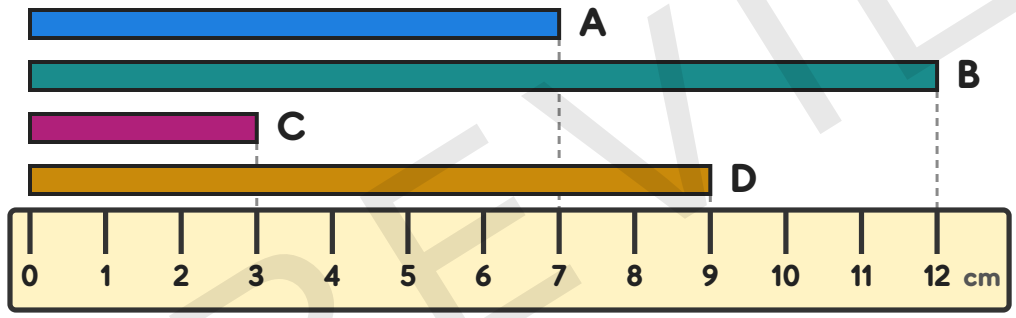
1



inches

Shortest ☐ ☐ ☐ ☐ Longest

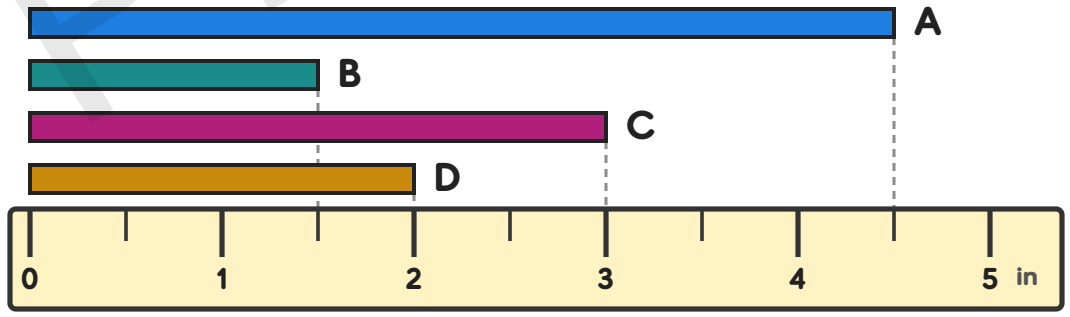
2



cm

Shortest ☐ ☐ ☐ ☐ Longest

3



inches

Shortest ☐ ☐ ☐ ☐ Longest

PREVIEW

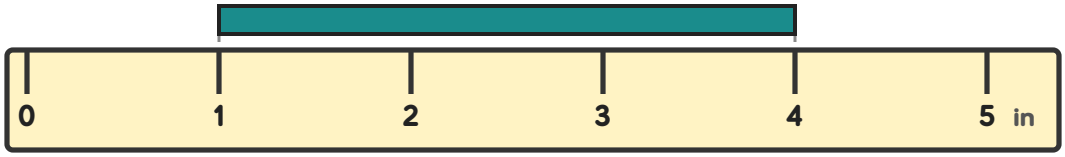
My name _____

Find how long each line is. Count the jumps.

Using a Ruler: Start Not at Zero

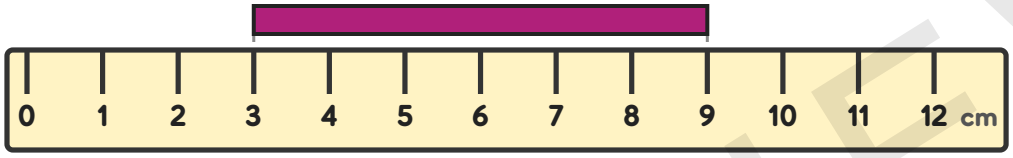
The line does not start at 0. Subtract: end minus start.

1



Starts at ☐ Ends at ☐ Length ☐ in

2



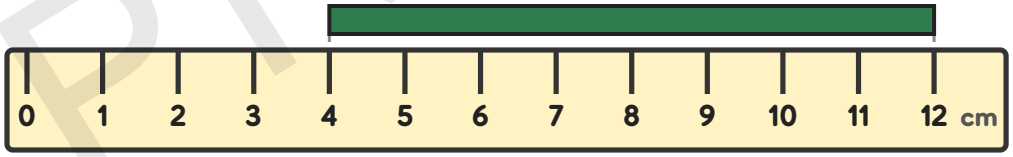
Starts at ☐ Ends at ☐ Length ☐ cm

3



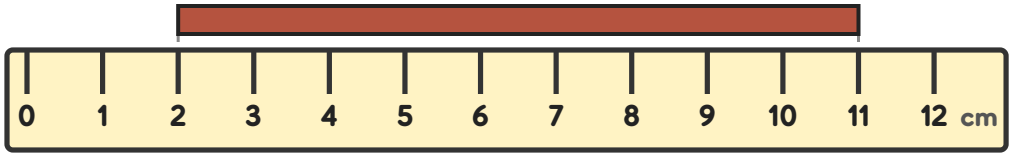
Starts at ☐ Ends at ☐ Length ☐ in

4



Starts at ☐ Ends at ☐ Length ☐ cm

5



Starts at ☐ Ends at ☐ Length ☐ cm

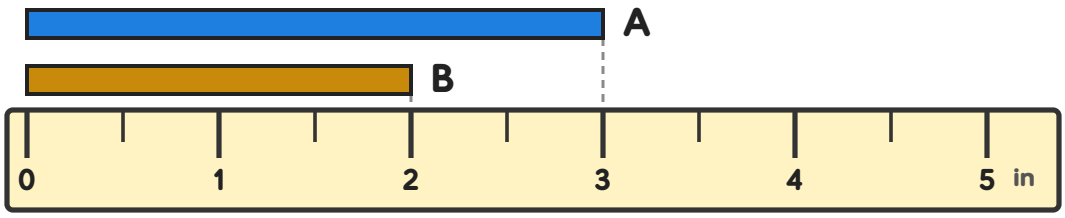
PREVIEW

My name _____

Measure the lines. Then solve.

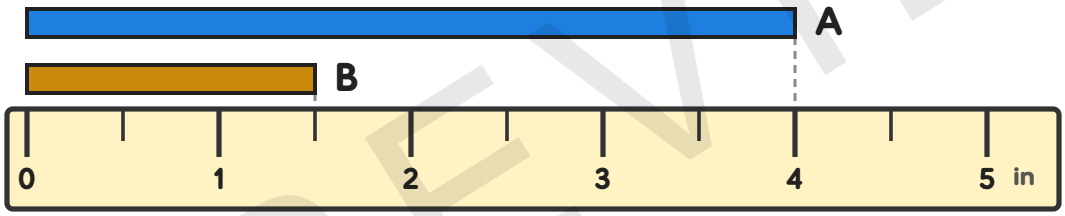
Using a Ruler: Measure, Then Solve

1 Line A and line B go end to end. Measure both. How long are they together?



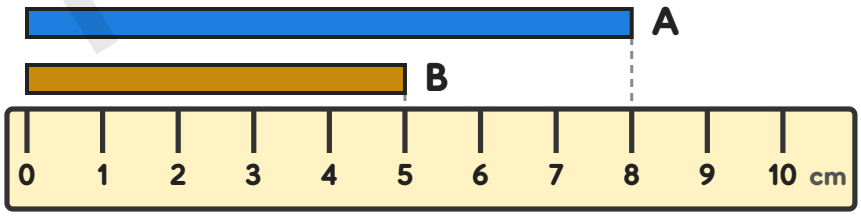
Answer ☐ in

2 Measure line A and line B. How much longer is line A?



Answer ☐ in

3 Line A and line B go end to end. Measure both. How long are they together?



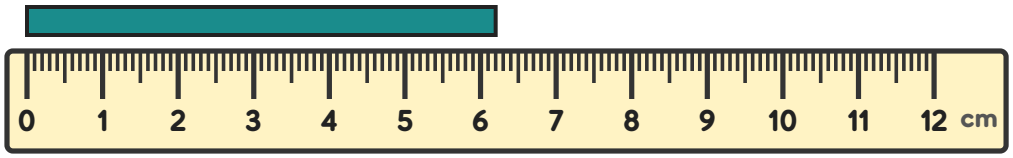
Answer ☐ cm

PREVIEW

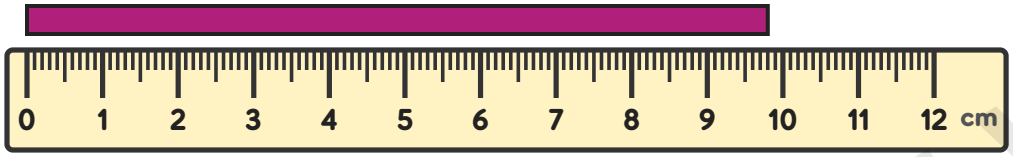
My name _____

Cut. Glue the nearest cm by each line.

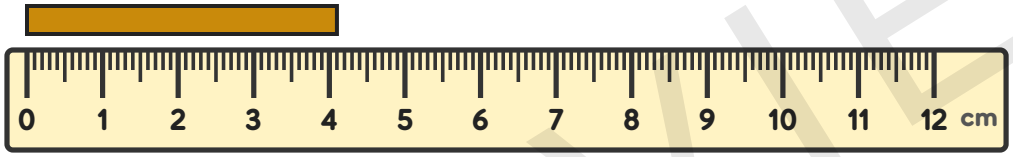
1



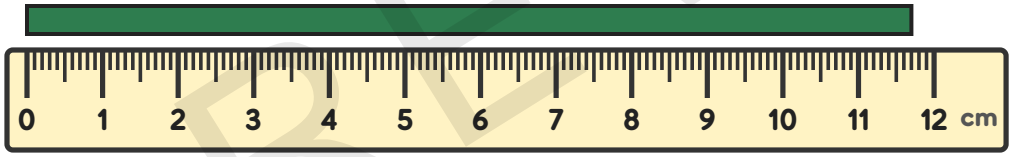
2



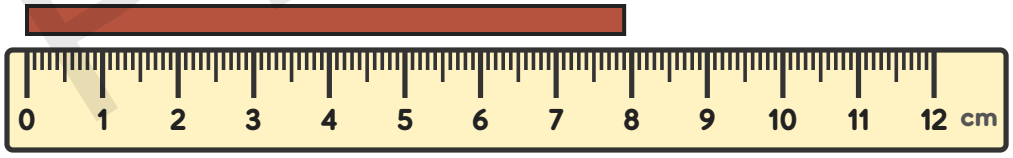
3



4



5



10 cm	4 cm	8 cm	6 cm	12 cm

PREVIEW

Answer Key 1

Each answer is for the problem number on its page.

Page 4: The Inch Ruler

1) **3 in** 2) **2 1/2 in**

Page 5: The Centimeter Ruler

1) **6 cm** 2) **11 cm**

Page 6: Whole Inches

1) **4 in** 2) **2 in** 3) **5 in** 4) **1 in** 5) **3 in**

Page 7: Nearest Inch

1) **1 in** 2) **3 in** 3) **3 in** 4) **5 in** 5) **2 in** 6) **4 in**

Page 8: Nearest Half Inch

1) **1 1/2 in** 2) **2 1/2 in** 3) **3 1/2 in** 4) **4 1/2 in**
5) **2 in** 6) **4 in**

Page 9: Nearest Quarter Inch

1) **2 1/4 in** 2) **2 3/4 in** 3) **4 3/4 in** 4) **2 in**
5) **3 1/4 in** 6) **4 1/4 in**

Page 10: Whole Centimeters

1) **5 cm** 2) **9 cm** 3) **3 cm** 4) **12 cm** 5) **7 cm**
6) **10 cm**

Page 11: Nearest Centimeter

1) **4 cm** 2) **9 cm** 3) **6 cm** 4) **12 cm** 5) **4 cm**
6) **9 cm**

Page 12: Inches and Centimeters

1) **2 in, 5 cm** 2) **3 1/2 in, 9 cm** 3) **2 1/2 in, 6 cm**
4) **4 1/2 in, 11 cm**

Nearest half inch

On page 8 the first line ends a little before the 1 1/2 mark and a long way from the next mark down, so the nearest half inch is **1 1/2 in**.

Marks to know

- Two quarter inches make one half inch. Two half inches make one inch.
- 1 cm = 10 mm. The middle mark between two cm marks is 5 mm.

Checking a reading

If a reading is off, ask the student to put the 0 at the start of the line, then point to the end and say the number at or just before it. For nearest, ask: which mark is the end closest to?

Nearest centimeter

On page 11 the first line ends a little after the 4 cm mark, so the nearest centimeter is **4 cm**. A line that ends past the halfway mark rounds up.

Page 12

An inch is longer than a cm, so the same line has a smaller number in inches.

PREVIEW

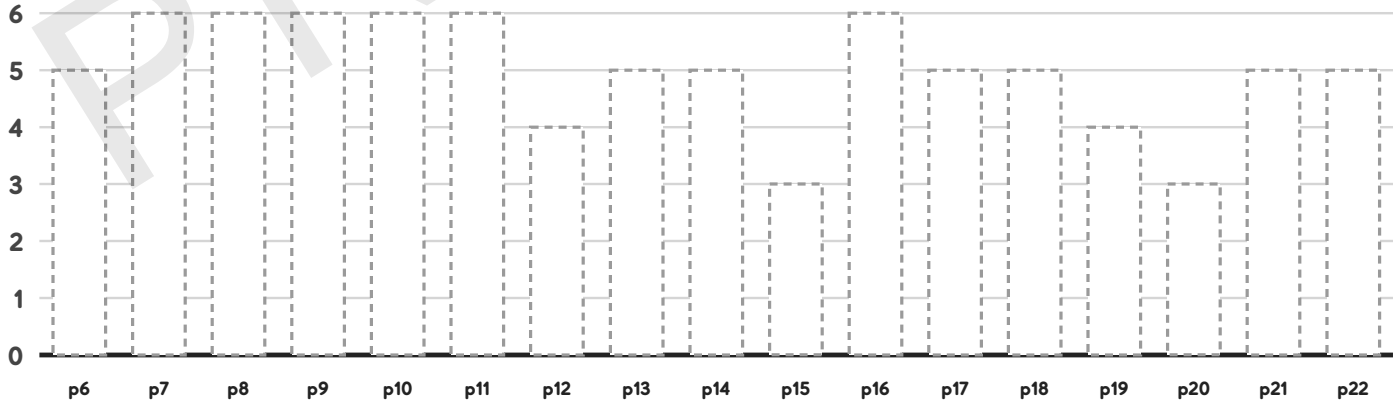
Tracker and Roll-Up

Write the date and how many were right. Then color the column for that sheet. A blank row means not done yet, never wrong.

Student _____ Teacher _____ School year _____

Page	Sheet	Date	Right	Out of	Notes
6	Whole Inches			5	
7	Nearest Inch			6	
8	Nearest Half Inch			6	
9	Nearest Quarter Inch			6	
10	Whole Centimeters			6	
11	Nearest Centimeter			6	
12	Inches and Centimeters			4	
13	How Much Longer, Inches			5	
14	How Much Longer, cm			5	
15	Put the Lines in Order			3	
16	Draw the Line			6	
17	Draw to the Half and Quarter			5	
18	Start Not at Zero			5	
19	Word Problems			4	
20	Measure, Then Solve			3	
21	Cut and Glue, Inches			5	
22	Cut and Glue, Centimeters			5	

Roll-up: color one column for each sheet, up to the number right. The dashed box is the most it can be.



Notes for the team

PREVIEW

Measuring at Home

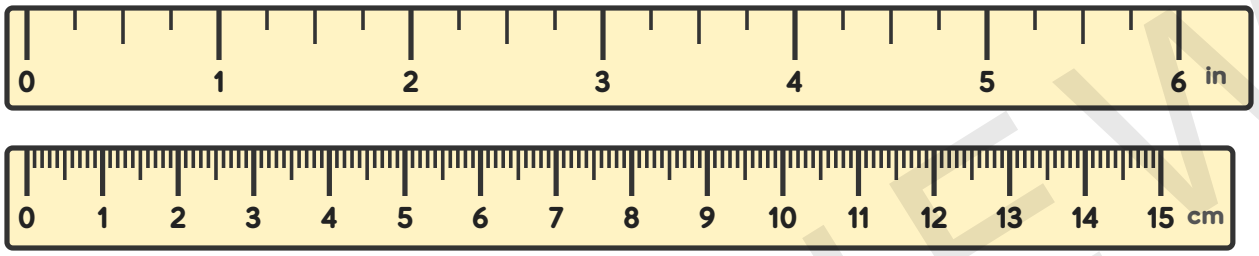
Send this page home with a child, or hand it to a family at a conference.

Student _____ Week of _____

How to help at home, in three steps

- Put the 0 mark at one end of a thing. Hold the ruler still.
- Look at where the thing ends. Say the number and the unit.
- Measure it in inches and then in centimeters. Write both below.

No ruler at home? Print this page at 100 percent and use these two.



What I measured	Inches	Centimeters

Note from home

PREVIEW