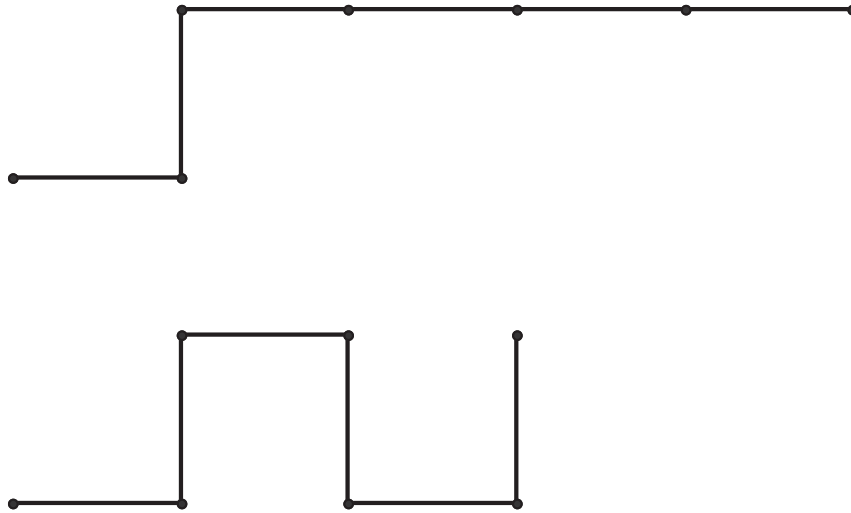


Name _____

Date _____

CBA Length: Student Sheet 1

Pretend these are wires or string. Which wire is longer, or are they the same length? How do you know?



Suppose I pull the wires so they are straight.

Which wire would be longer, or would they be the same? How do you know?

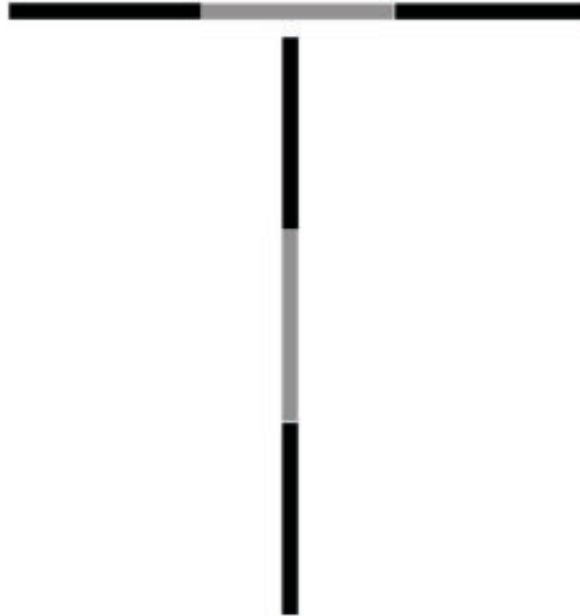
Name _____

Date _____

CBA Length: Student Sheet 2

Which wire is longer, or are they the same length?

Predict an answer, then check with inch rods.



Circle your answer for your PREDICTION:

Top wire is longer.

Bottom wire is longer.

Top and bottom are the same length.

Describe how you found your answer:

Circle your answer for your CHECK with inch rods:

Top wire is longer.

Bottom wire is longer.

Top and bottom are the same length.

Describe how you found your answer:

Name _____

Date _____

CBA Length: Student Sheet 3

Which wire is longer, or are they the same length? Which wire would be longer if they are both straightened? Predict an answer, then check with inch rods.



Circle your answer for your PREDICTION:

Top wire is longer.

Bottom wire is longer.

Top and bottom are the same length.

Describe how you found your answer:

Circle your answer for your CHECK with inch rods:

Top wire is longer.

Bottom wire is longer.

Top and bottom are the same length.

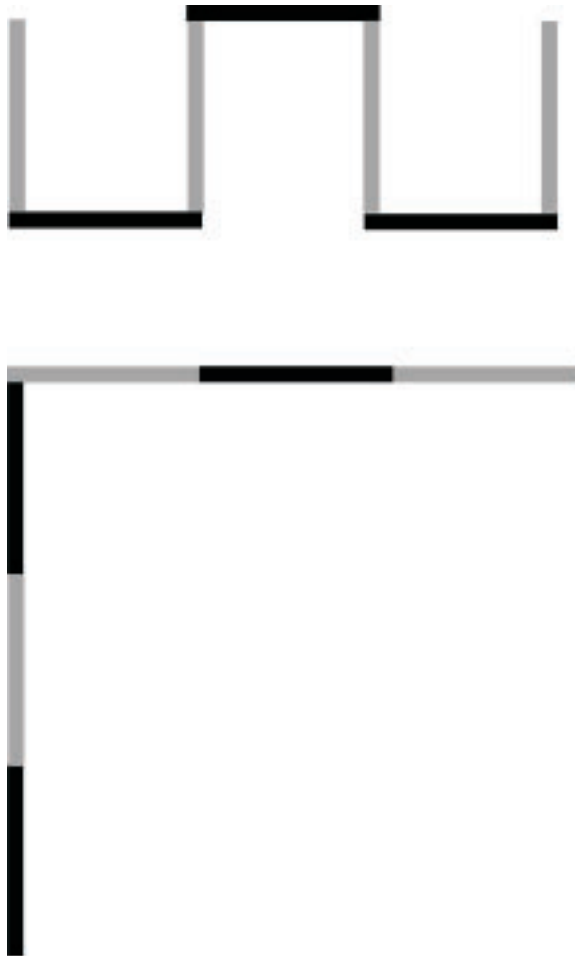
Describe how you found your answer:

Name _____

Date _____

CBA Length: Student Sheet 4

Which wire is longer, or are they the same length? Which wire would be longer if they are both straightened?
Predict an answer, then check with inch rods.



Circle your answer for your PREDICTION:

Top wire is longer.

Bottom wire is longer.

Top and bottom are the same length.

Describe how you found your answer:

Circle your answer for your CHECK with inch rods:

Top wire is longer.

Bottom wire is longer.

Top and bottom are the same length.

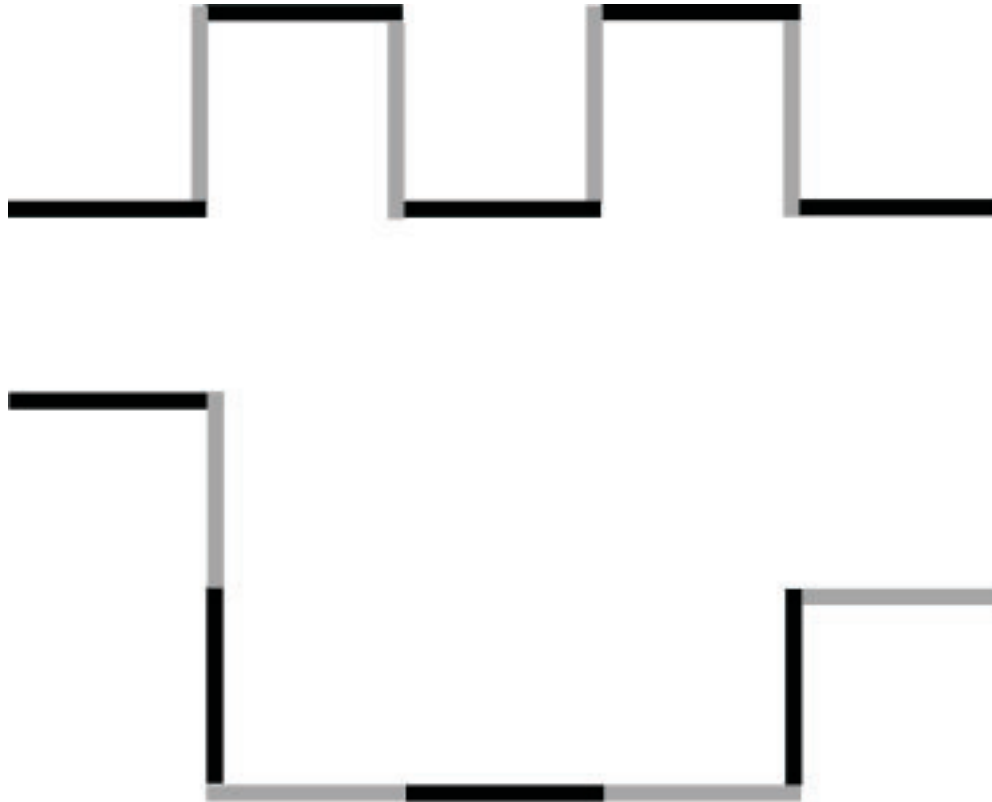
Describe how you found your answer:

Name _____

Date _____

CBA Length: Student Sheet 5

Which wire is longer, or are they the same length? Which wire would be longer if they are both straightened? Predict an answer, then check with inch rods.



Circle your answer for your PREDICTION:

Top wire is longer.

Bottom wire is longer.

Top and bottom are the same length.

Describe how you found your answer:

Circle your answer for your CHECK with inch rods:

Top wire is longer.

Bottom wire is longer.

Top and bottom are the same length.

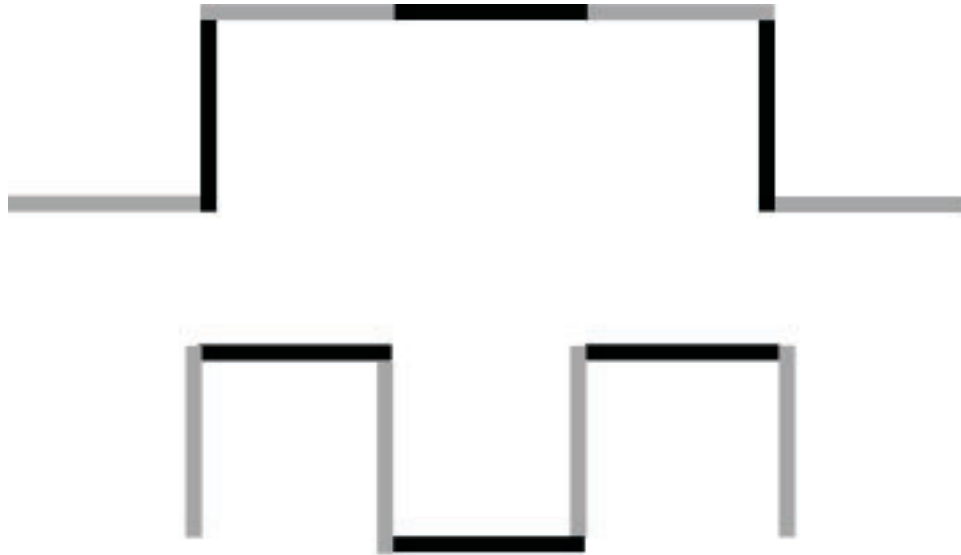
Describe how you found your answer:

Name _____

Date _____

CBA Length: Student Sheet 6

Which wire is longer, or are they the same length? Which wire would be longer if they are both straightened? Predict an answer, then check with inch rods.



Circle your answer for your PREDICTION:

Top wire is longer.

Bottom wire is longer.

Top and bottom are the same length.

Describe how you found your answer:

Circle your answer for your CHECK with inch rods:

Top wire is longer.

Bottom wire is longer.

Top and bottom are the same length.

Describe how you found your answer:

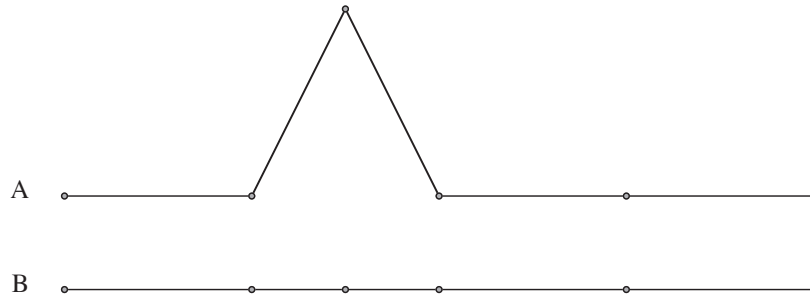
Name _____

Date _____

CBA Length: Student Sheet 7

Which wire is longer, or are they the same length?

Predict an answer, then check with inch rods.



Circle your answer for your PREDICTION:

A is longer. B is longer. A and B are the same length.

Describe how you found your answer:

Circle your answer for your CHECK with inch rods:

A is longer. B is longer. A and B are the same length.

Describe how you found your answer:

Name _____

Date _____

CBA Length: Student Sheet 8

How many black rods does it take to cover the gray rod?

Predict an answer, then check with inch rods.



PREDICTION _____

Describe how you found your answer:

CHECK _____

Describe how you found your answer:

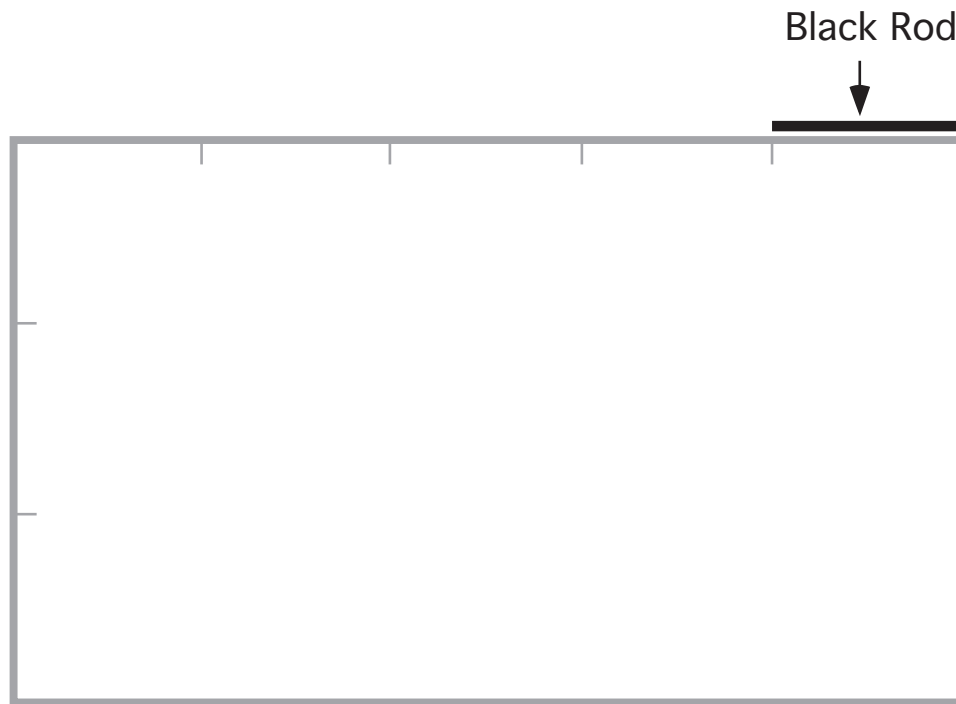
Name _____

Date _____

CBA Length: Student Sheet 9

How many black rods does it take to go all the way around the gray rectangle?

Predict an answer, then check with inch rods.



PREDICTION _____

Describe how you found your answer:

CHECK _____

Describe how you found your answer:

Name _____

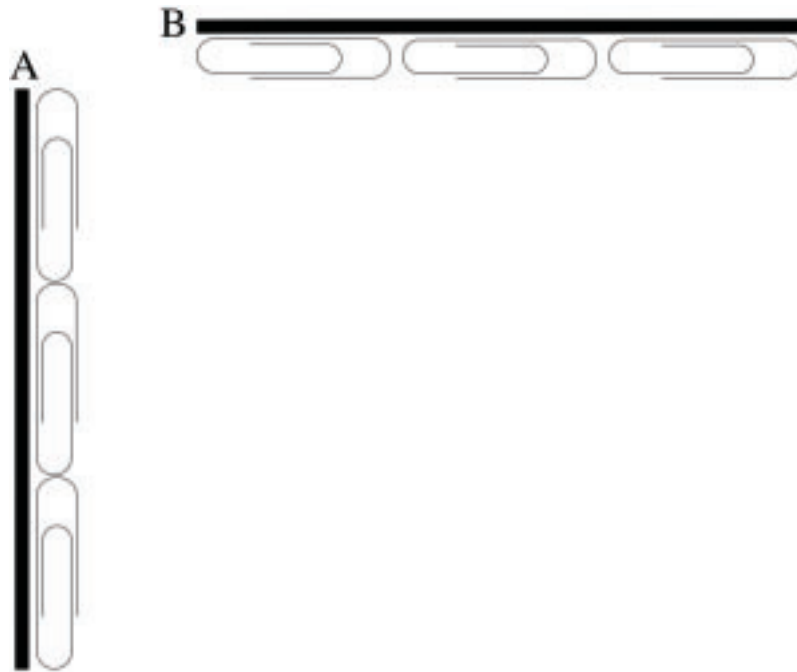
Date _____

CBA Length: Student Sheet 10

Which black stick is longer, or are they the same length?

All the paper clips are the same length.

Predict an answer, then check with inch rods.



Circle your answer for your PREDICTION:

A is longer.

B is longer.

A and B are the same length.

Describe how you found your answer:

Circle your answer for your CHECK with inch rods:

A is longer.

B is longer.

A and B are the same length.

Describe how you found your answer:

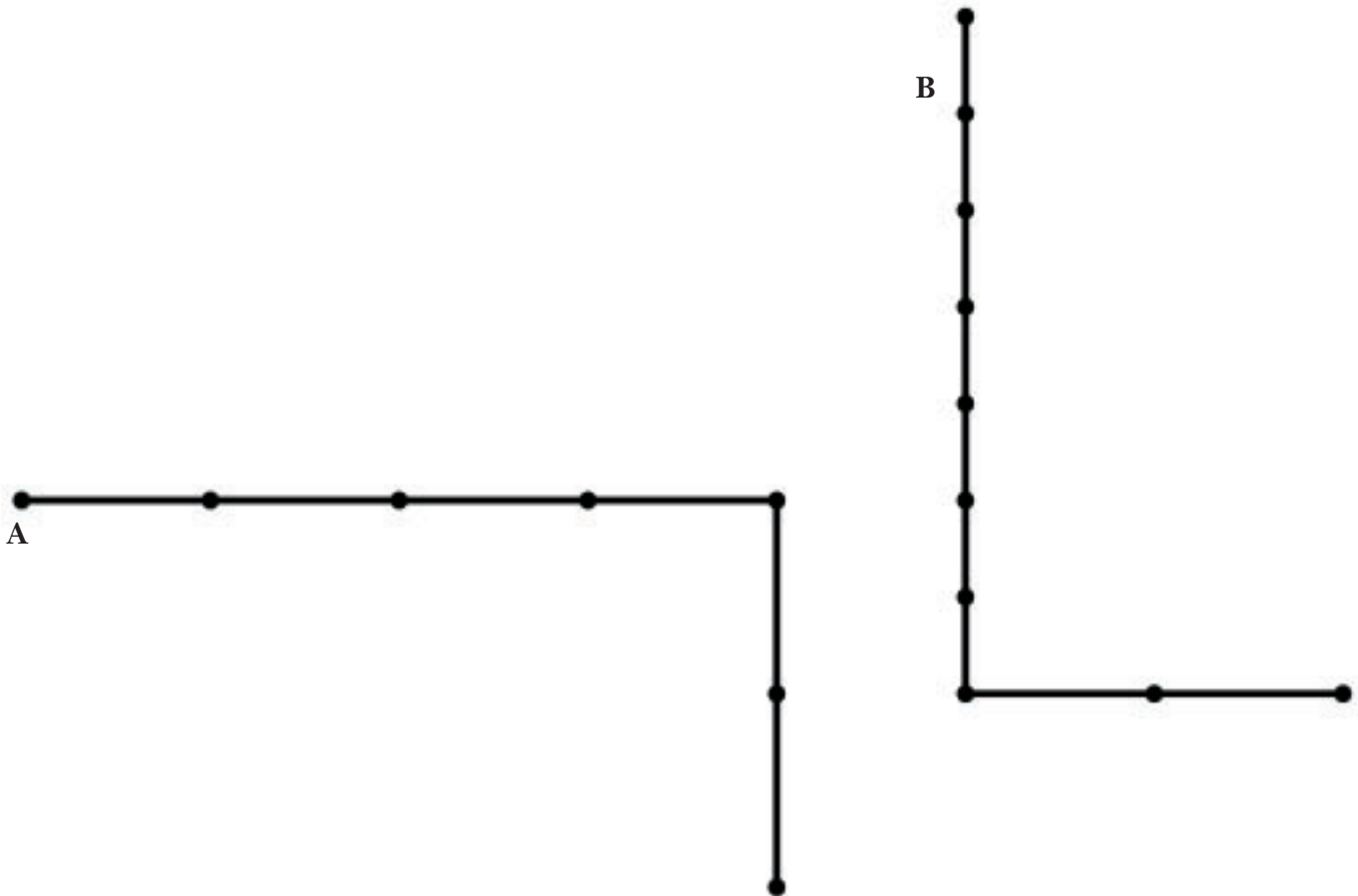
Name _____

Date _____

CBA Length: Student Sheet 11

Which wire is longer, or are they the same length?

Predict an answer, then check with inch rods.



Circle your answer for your PREDICTION:

A is longer. B is longer. A and B are the same length.

Describe how you found your answer:

Circle your answer for your CHECK with inch rods:

A is longer. B is longer. A and B are the same length.

Describe how you found your answer:

Name _____

Date _____

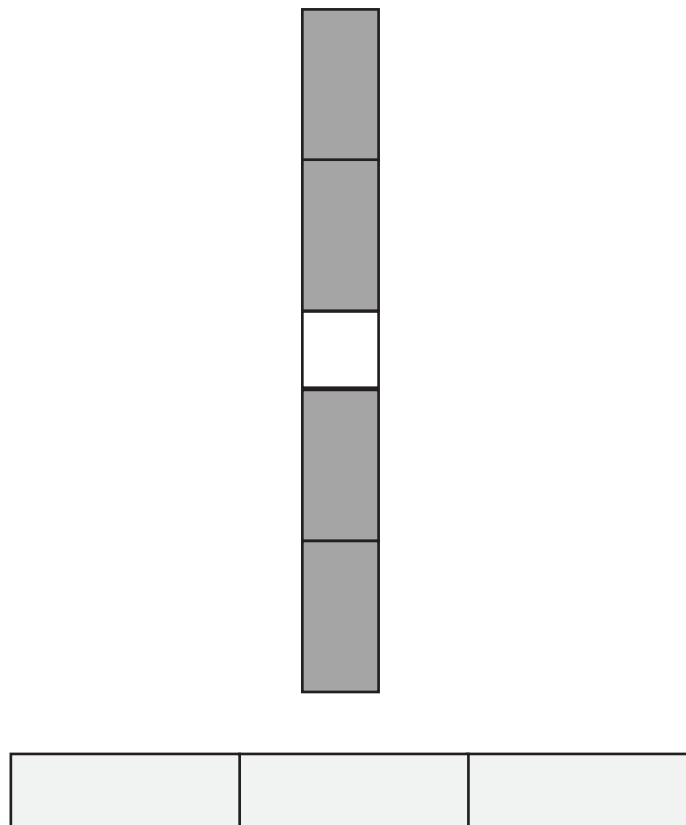
CBA Length: Student Sheet 12

How many rods are in the vertical line?

How many rods are in the horizontal line?

Which line of rods is longer, or are they the same length?

Check with Cuisenaire rods.



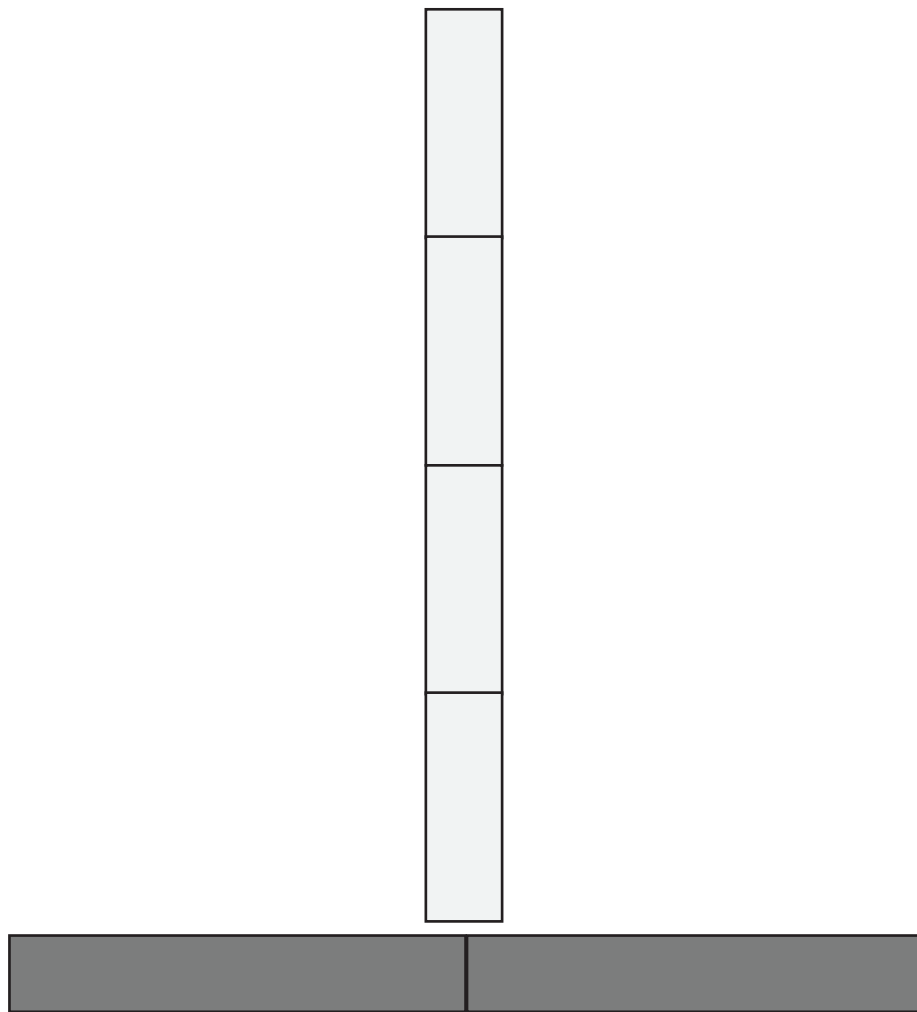
Name _____

Date _____

CBA Length: Student Sheet 13

Joe says that the vertical line of rods is longer because it has 4 rods and the horizontal line has only 2 rods. Is Joe right or wrong?

Check with Cuisenaire rods.



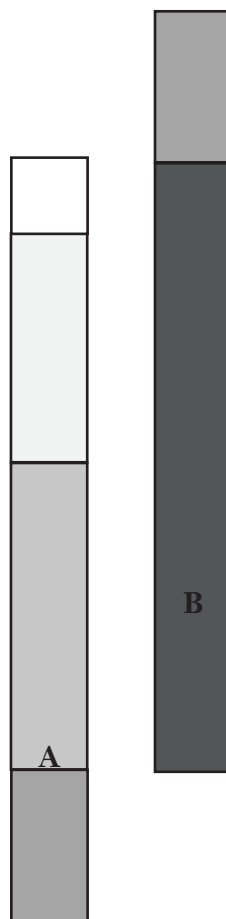
Name _____

Date _____

CBA Length: Student Sheet 14

Joe says Line A is longer than Line B because Line A has 4 rods and Line B has only 2 rods. Is Joe right or wrong?

Check with Cuisenaire rods.



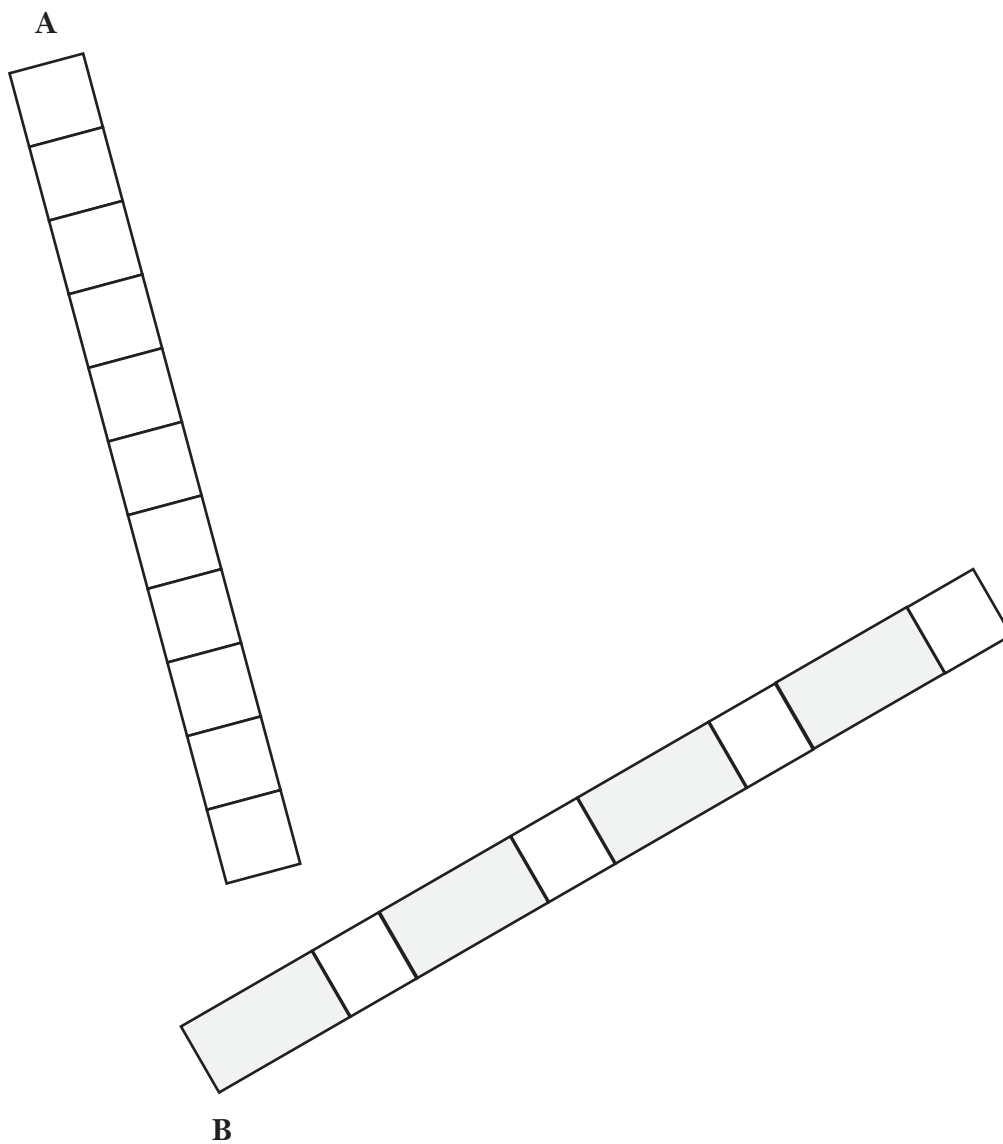
Name _____

Date _____

CBA Length: Student Sheet 15

How can you use counting to decide which line of rods is longer?

Check with Cuisenaire rods.



Name _____

Date _____

CBA Length: Student Sheet 16

Look at the sidewalks shown on the next page.

Which sidewalk from home to school is longer? Predict an answer, then check with inch rods.

PREDICTION

Black Gray Same

Describe how you found your answer:

CHECK

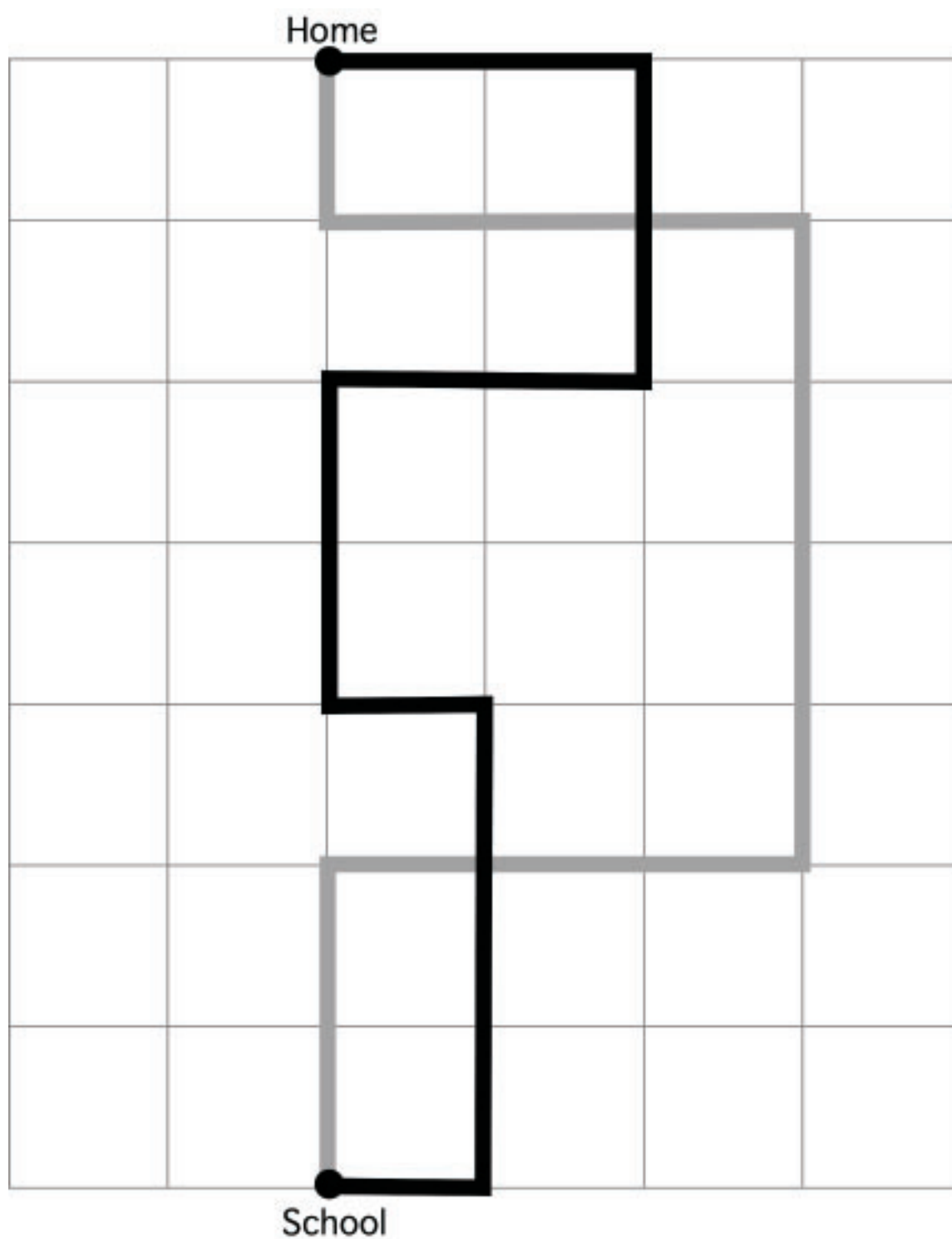
Black Gray Same

Describe how you found your answer:

Name _____

Date _____

CBA Length: Student Sheet 16 (*Continued*)



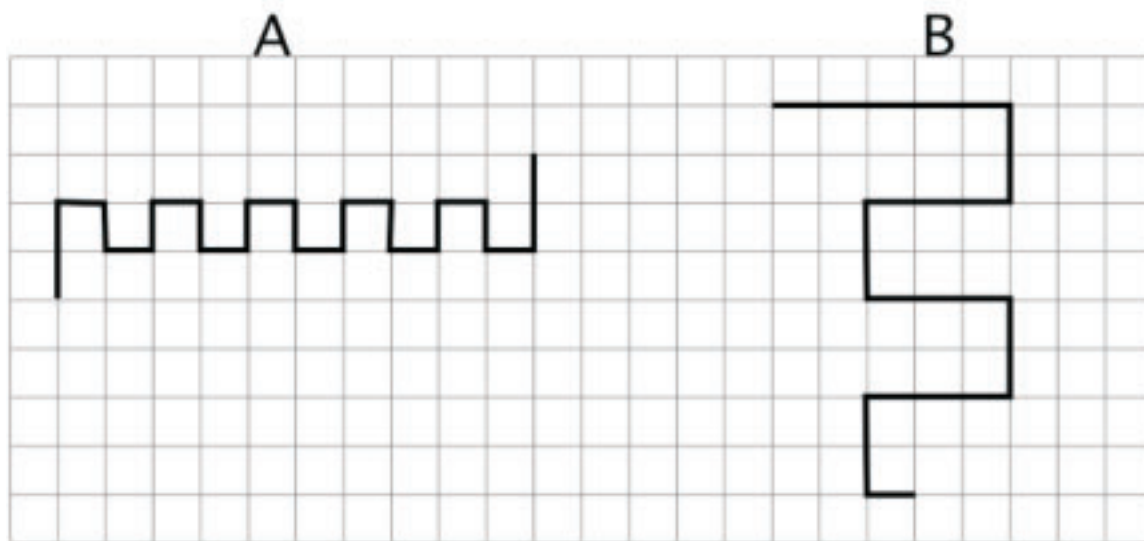
Name _____

Date _____

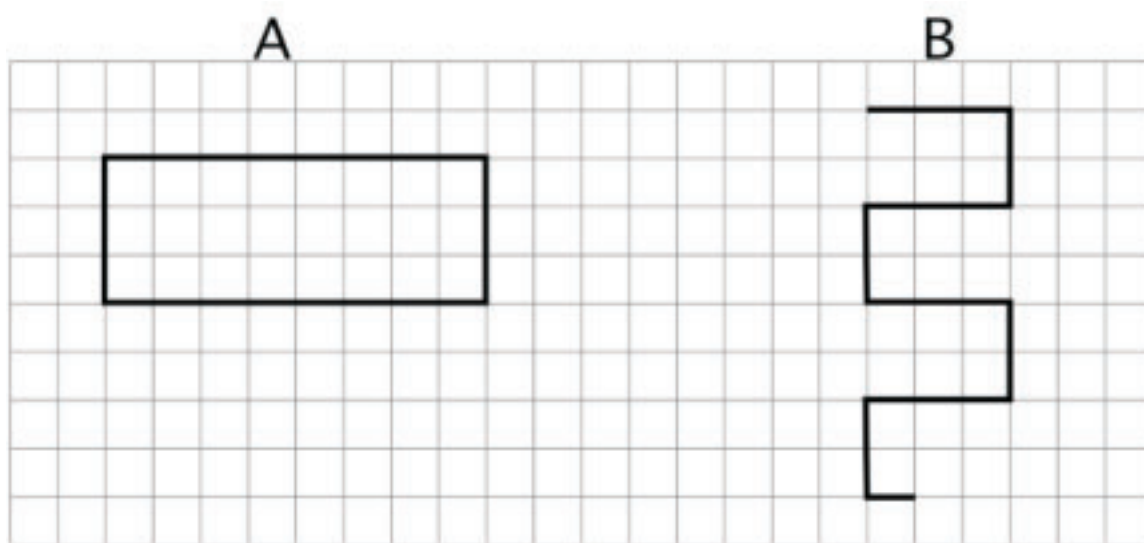
CBA Length: Student Sheet 17

For each problem, decide which path is longer, A or B.

(x)



(y)

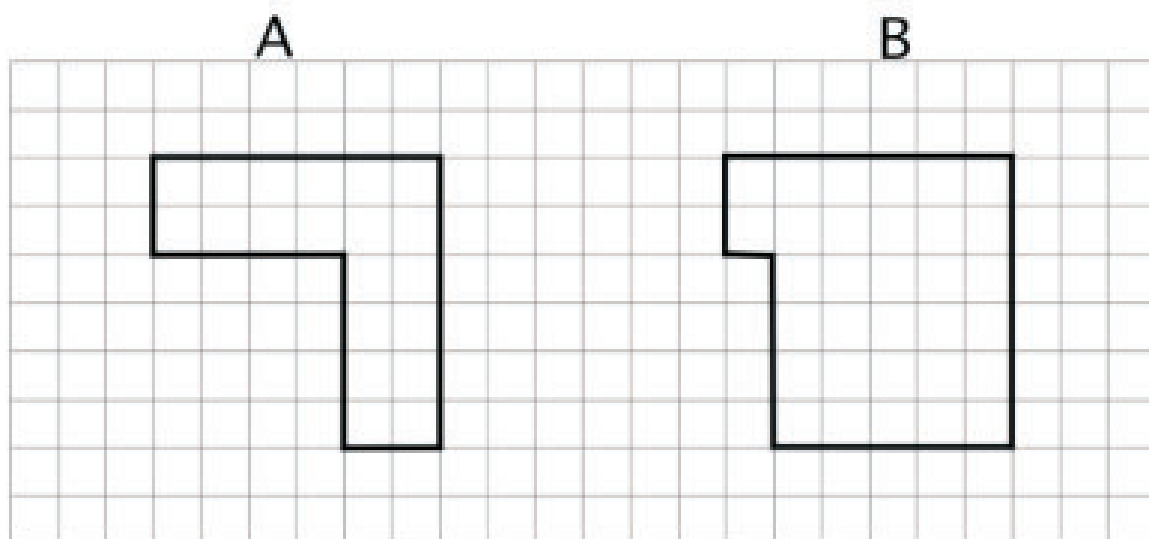


Name _____

Date _____

CBA Length: Student Sheet 17 (*Continued*)

(z)

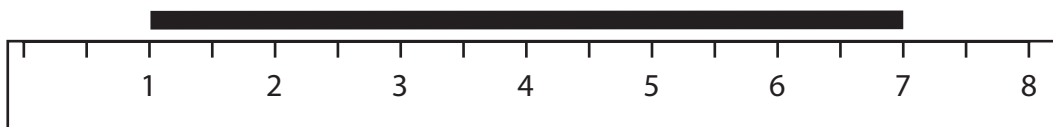


Name _____

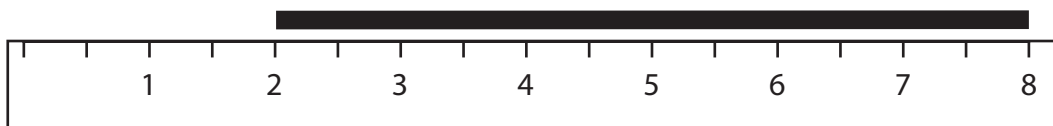
Date _____

CBA Length: Student Sheet 18

1. Use the ruler to find the length of the black rod.

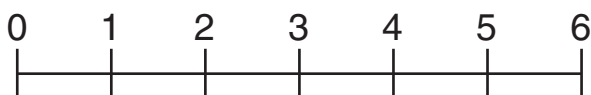


2. Use the ruler to find the length of the black rod.



3. On the number line below, how many unit-lengths are needed to make the segment between 0 and 3? Between 0 and 5? Between 0 and 2?

— unit length



4. Place 3, 5, and 9 on the number line below. Explain how you found your answers.



5. On the number line below, how far is it between 8 and 2? Explain how you found your answer.



Name _____

Date _____

CBA Length: Student Sheet 19

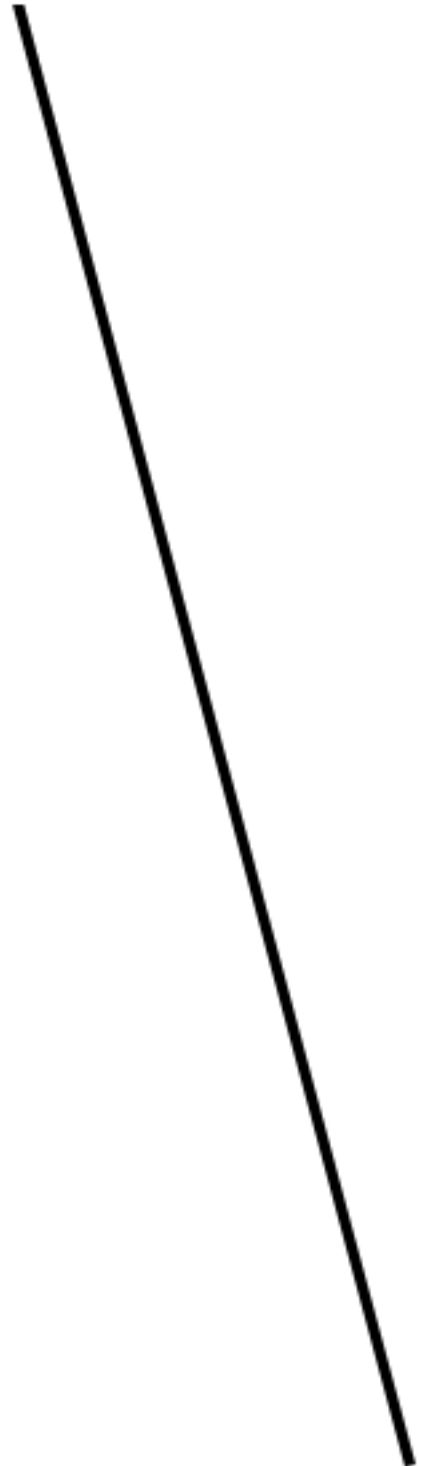
The segment below is one centimeter long.



The gray rod below is 5 centimeters long.



If the line segment to the right is 4 gray rods long, how many centimeters long is the line segment? Predict and check.



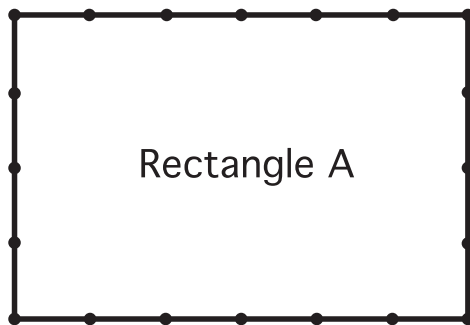
Name _____

Date _____

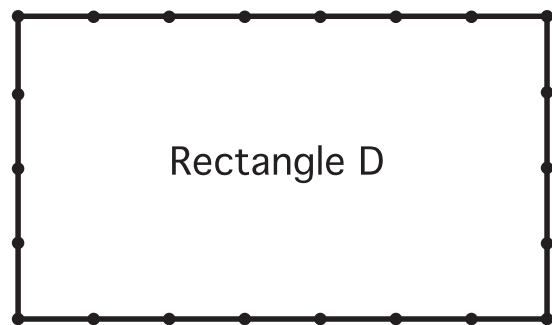
CBA Length: Student Sheet 20

Find the distance around (the perimeter of) each rectangle.

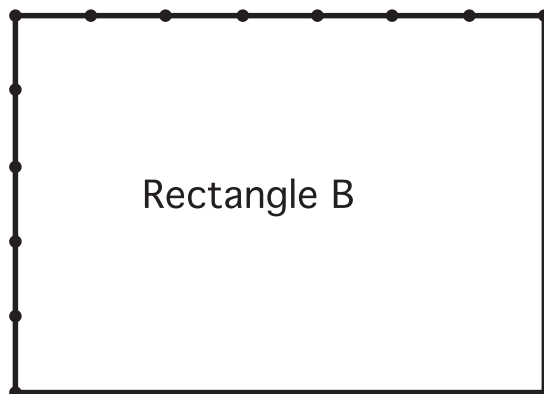
1 cm

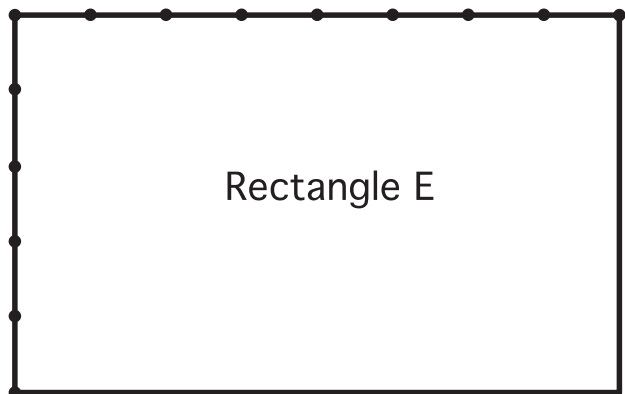
1 cm

1 cm

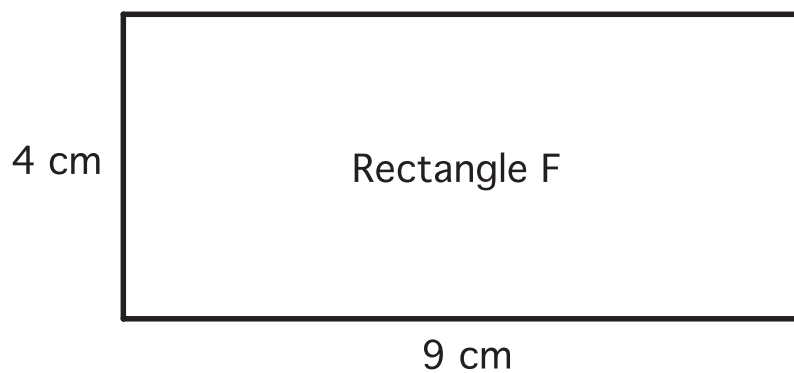
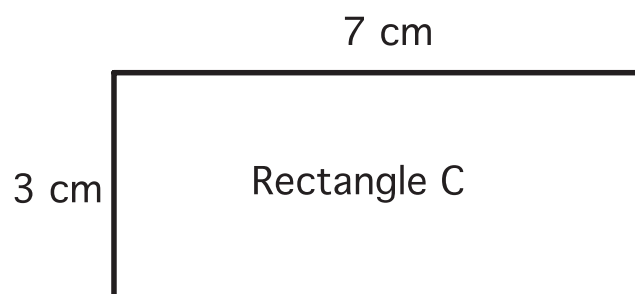
1 cm

Name _____

Date _____

CBA Length: Student Sheet 20 (*Continued*)

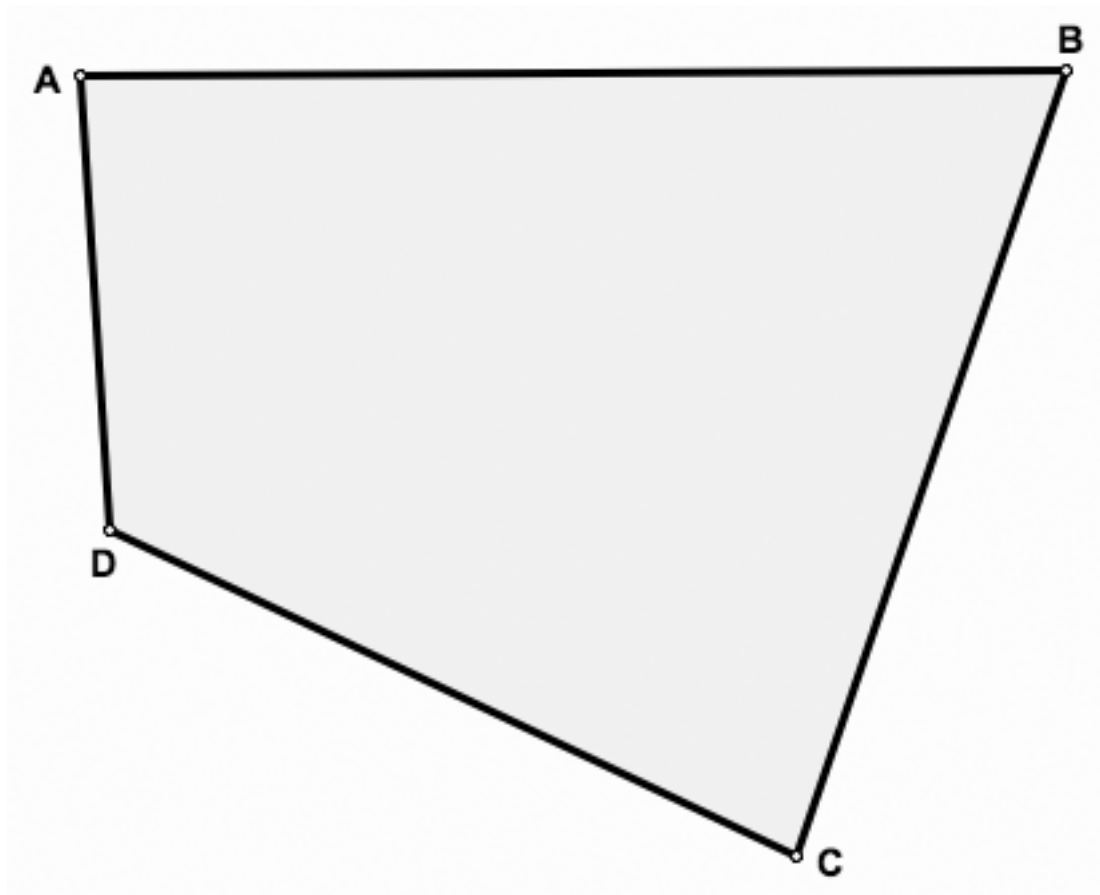


Name _____

Date _____

CBA Length: Student Sheet 21

Use your ruler to find the perimeter of quadrilateral ABCD, measured in centimeters.



Name _____

Date _____

CBA Length: Student Sheet 22

Name the fractions marked by X on the number lines below.

