

Big and Small Units

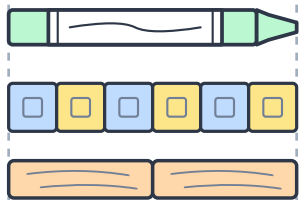
Measure each thing two ways. Circle the unit you needed more of.

 1 cube

 1 clip = 2 cubes

 1 block = 3 cubes

1.



Example

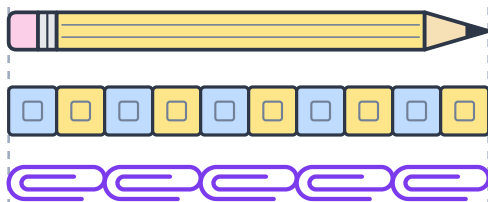
6 cubes

2 blocks

I needed more

cubes**blocks**

2.



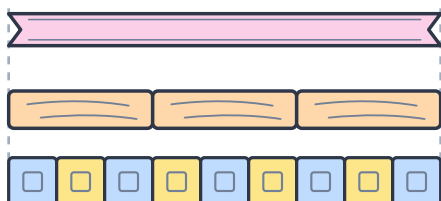
_____ cubes

_____ clips

I needed more

cubes**clips**

3.



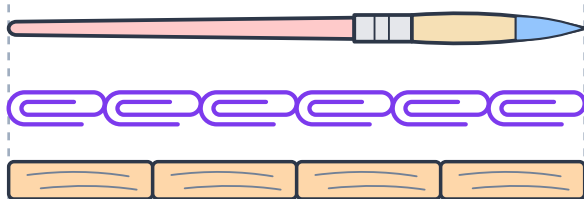
_____ blocks

_____ cubes

I needed more

blocks**cubes**

4.



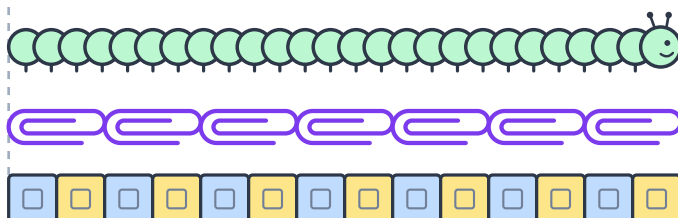
_____ clips

_____ blocks

I needed more

clips**blocks**

5.



_____ clips

_____ cubes

I needed more

clips**cubes**

Big and Small Units

Which one is measured the right way? Circle it. Write the length.

1.

A



Example

B



C



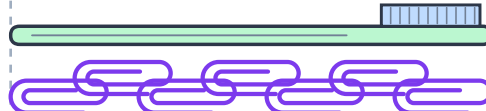
It is 7 cubes long.

2.

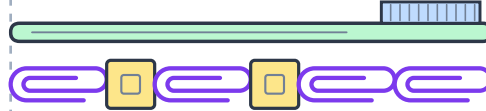
A



B



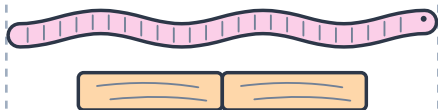
C



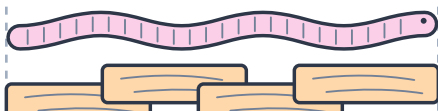
It is _____ clips long.

3.

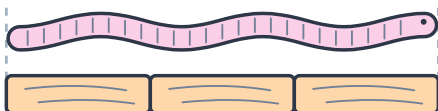
A



B



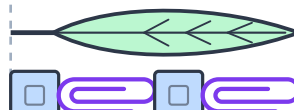
C



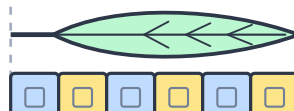
It is _____ blocks long.

4.

A



B



C



It is _____ cubes long.

5.

A



B



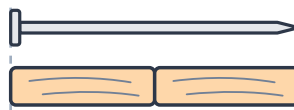
C



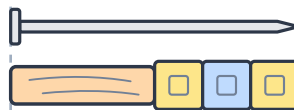
It is _____ clips long.

6.

A



B



C

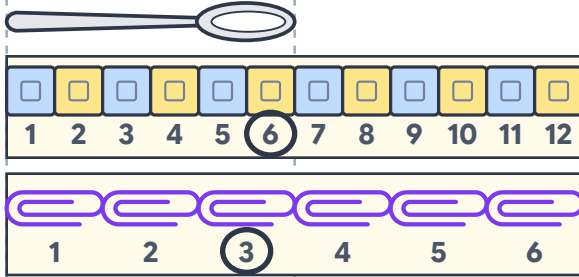


It is _____ blocks long.

Big and Small Units

Cut out the strips. Measure each thing in cubes and in clips.

1.

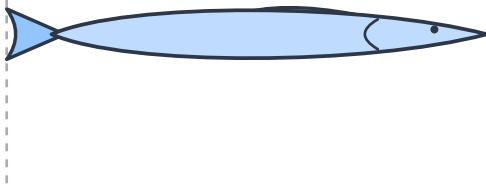


Example

6 cubes

3 clips

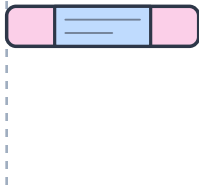
2.



_____ cubes

_____ clips

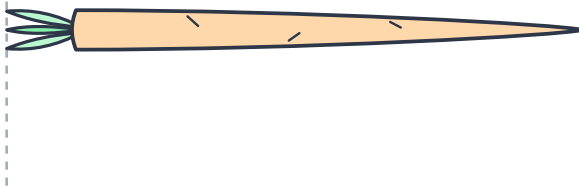
3.



_____ cubes

_____ clips

4.



_____ cubes

_____ clips

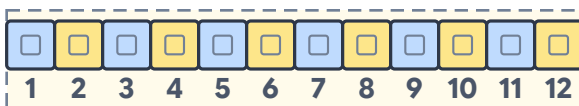
5.



_____ cubes

_____ clips

Cut out the strips. Line up the left edge with the end of each thing.



Big and Small Units

Same table, different units. Match each count. Then think.

Ava, Mia and Leo measured the same table.

Counts:

4

6

12



Ava used paper clips.



12 clips

Example



Mia used pencils.



_____ pencils



Leo used crayons.



_____ crayons

Who used the biggest unit?

Ava

Mia

Leo

Who needed the most units?

Ava

Mia

Leo

1. The rug is 5 clips long.

Example



1 clip = 2 cubes

It is 10 cubes long.

2. The bench is 4 blocks long.



1 block = 3 cubes

It is _____ cubes long.

3. The shelf is 8 cubes long.



1 clip = 2 cubes

It is _____ clips long.

4. Leo measured a door with crayons. He got 10. Next he will use pencils.

crayon



pencil



With pencils, he will need
more **fewer** than 10.

Big and Small Units

Bigger unit or smaller unit? Circle, then tell why.

Circle more or fewer.

1. A clip is longer than a cube.

A pencil takes **more** **fewer** clips than cubes.

Example

2. The smaller the unit, the **more** **fewer** units I need.

3. The bigger the unit, the **more** **fewer** units I need.

4. A crayon is shorter than a pencil.

A rug takes **more** **fewer** crayons than pencils.

True or false? Circle one.

1. These cubes are lined up right.

Example



true

false

2. A book is 8 cubes long and 4 clips long. So a clip is longer than a cube.

true

false

3. These blocks are lined up right.



true

false

4. A pencil is 5 clips long. It is 5 cubes long too.

true

false

Why are the numbers different?

1. Ben measured a rug: 5 blocks.

Kim measured it too: 15 cubes.

Both are right. Why?

Example

A block is longer than a cube, so it

takes fewer blocks.

2. Tia measured a table: 8 clips.

Max measured it too: 16 cubes.

Both are right. Why?

Big and Small Units

Measure each thing two ways. Circle the unit you needed more of.



1 cube

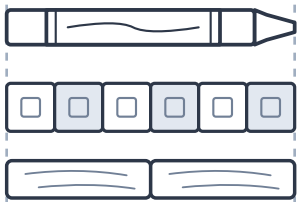


1 clip = 2 cubes



1 block = 3 cubes

1.



Example

6 cubes

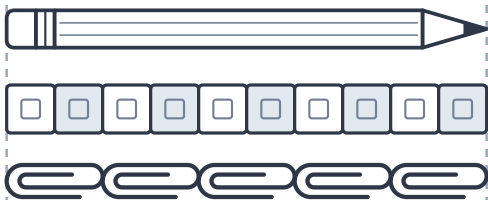
2 blocks

I needed more

cubes

blocks

2.



_____ cubes

_____ clips

I needed more

cubes

clips

3.



_____ blocks

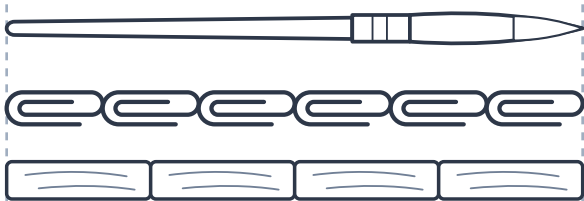
_____ cubes

I needed more

blocks

cubes

4.



_____ clips

_____ blocks

I needed more

clips

blocks

5.



_____ clips

_____ cubes

I needed more

clips

cubes

Big and Small Units

Which one is measured the right way? Circle it. Write the length.

1.

A



Example

B



C



It is 7 cubes long.

2.

A



B



C



It is _____ clips long.

3.

A



B



C



It is _____ blocks long.

4.

A



B



C



It is _____ cubes long.

5.

A



B



C



It is _____ clips long.

6.

A



B



C

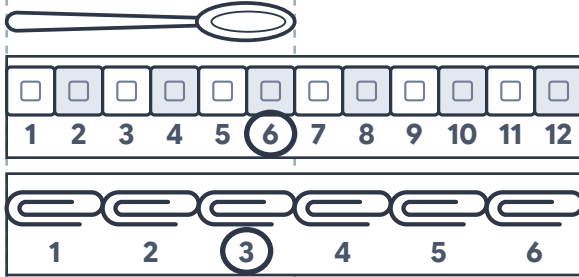


It is _____ blocks long.

Big and Small Units

Cut out the strips. Measure each thing in cubes and in clips.

1.



Example

6 cubes

3 clips

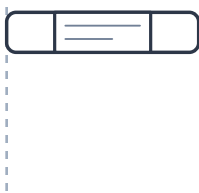
2.



_____ cubes

_____ clips

3.



_____ cubes

_____ clips

4.



_____ cubes

_____ clips

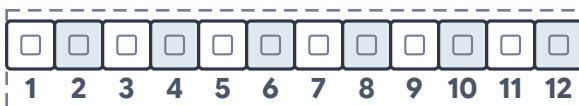
5.



_____ cubes

_____ clips

Cut out the strips. Line up the left edge with the end of each thing.



Big and Small Units

Same table, different units. Match each count. Then think.

Ava, Mia and Leo measured the same table.

Counts:

4

6

12



Ava used paper clips.



12 clips

Example



Mia used pencils.



_____ pencils



Leo used crayons.



_____ crayons

Who used the biggest unit?

Ava

Mia

Leo

Who needed the most units?

Ava

Mia

Leo

1. The rug is 5 clips long.

Example



1 clip = 2 cubes

It is 10 cubes long.

2. The bench is 4 blocks long.



1 block = 3 cubes

It is _____ cubes long.

3. The shelf is 8 cubes long.



1 clip = 2 cubes

It is _____ clips long.

4. Leo measured a door with crayons. He got 10. Next he will use pencils.

crayon



pencil



With pencils, he will need

more **fewer** than 10.

Big and Small Units

Bigger unit or smaller unit? Circle, then tell why.

Circle more or fewer.

1. A clip is longer than a cube.

Example

A pencil takes **more** fewer clips than cubes.

2. The smaller the unit, the **more** **fewer** units I need.

3. The bigger the unit, the **more** **fewer** units I need.

4. A crayon is shorter than a pencil.

A rug takes **more** **fewer** crayons than pencils.

True or false? Circle one.

1. These cubes are lined up right.

Example



true

false

2. A book is 8 cubes long and 4 clips long. So a clip is longer than a cube.

true

false

3. These blocks are lined up right.



true

false

4. A pencil is 5 clips long. It is 5 cubes long too.

true

false

Why are the numbers different?

1. Ben measured a rug: 5 blocks.

Kim measured it too: 15 cubes.

Both are right. Why?

Example

A block is longer than a cube, so it

takes fewer blocks.

2. Tia measured a table: 8 clips.

Max measured it too: 16 cubes.

Both are right. Why?

Big and Small Units

Measure each thing two ways. Circle the unit you needed more of.



1 cube

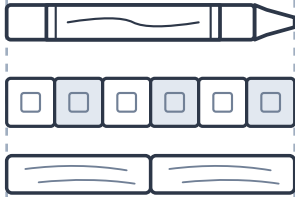


1 clip = 2 cubes



1 block = 3 cubes

1.



Example

6 cubes

2 blocks

I needed more

cubes

blocks

2.



10 cubes

5 clips

I needed more

cubes

clips

3.



3 blocks

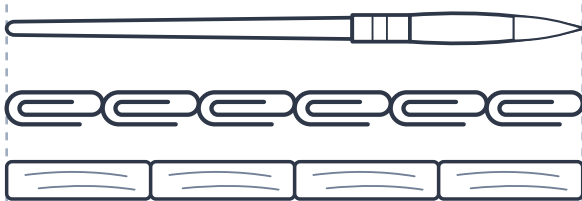
9 cubes

I needed more

blocks

cubes

4.



6 clips

4 blocks

I needed more

clips

blocks

5.



7 clips

14 cubes

I needed more

clips

cubes

Big and Small Units

Which one is measured the right way? Circle it. Write the length.

1.

A



Example

B



C



It is 7 cubes long.

2.

A



B



C



It is 5 clips long.

3.

A



B



C



It is 3 blocks long.

4.

A



B



C



It is 6 cubes long.

5.

A



B



C



It is 4 clips long.

6.

A



B



C

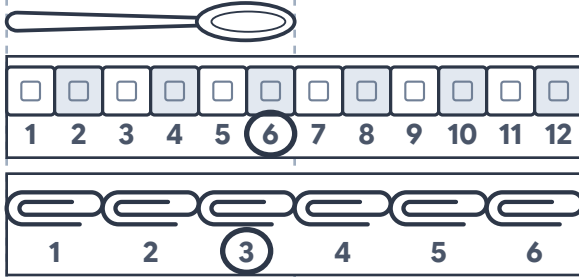


It is 2 blocks long.

Big and Small Units

Cut out the strips. Measure each thing in cubes and in clips.

1.



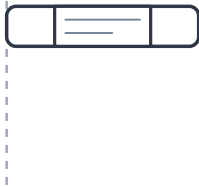
Example

6 cubes3 clips

2.

10 cubes5 clips

3.

4 cubes2 clips

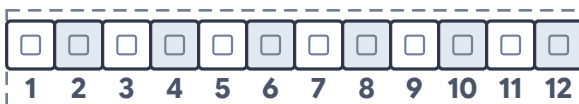
4.

12 cubes6 clips

5.

8 cubes4 clips

Cut out the strips. Line up the left edge with the end of each thing.



Big and Small Units

Same table, different units. Match each count. Then think.

Ava, Mia and Leo measured the same table.

Counts:

4

6

12



Ava used paper clips.



12 clips

Example



Mia used pencils.



4 pencils



Leo used crayons.



6 crayons

Who used the biggest unit?

Ava

Mia

Leo

Who needed the most units?

Ava

Mia

Leo

1. The rug is 5 clips long.

Example



1 clip = 2 cubes

It is 10 cubes long.

2. The bench is 4 blocks long.



1 block = 3 cubes

It is 12 cubes long.

3. The shelf is 8 cubes long.



1 clip = 2 cubes

It is 4 clips long.

4. Leo measured a door with crayons. He got 10. Next he will use pencils.

crayon



pencil



With pencils, he will need

more fewer than 10.

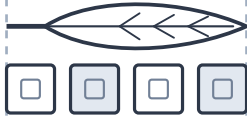
Big and Small Units

Bigger unit or smaller unit? Circle, then tell why.

Circle more or fewer.

- A clip is longer than a cube. Example
A pencil takes more **fewer** clips than cubes.
- The smaller the unit, the **more** fewer units I need.
- The bigger the unit, the more **fewer** units I need.
- A crayon is shorter than a pencil.
A rug takes **more** fewer crayons than pencils.

True or false? Circle one.

- | | | |
|--|--|-------------------|
| 1. These cubes are lined up right.
Example |  | true false |
| 2. A book is 8 cubes long and 4 clips long. So a clip is longer than a cube. | | true false |
| 3. These blocks are lined up right. |  | true false |
| 4. A pencil is 5 clips long. It is 5 cubes long too. | | true false |

Why are the numbers different?

- Ben measured a rug: 5 blocks.
Kim measured it too: 15 cubes.
Both are right. Why? Example
A block is longer than a cube, so it takes fewer blocks.

- Tia measured a table: 8 clips.
Max measured it too: 16 cubes.
Both are right. Why?

Answers will vary.

Example: A clip is longer than a cube, so it takes fewer clips.