



GRADE 1 / WATCH MR DJ SOLVE

MEASURING WITH EQUAL UNITS

Start with the same example used in the lesson slides.

**WATCH MR DJ SOLVE****A strip is covered by 4 same-size cubes, with no gaps. How long is it?**

- 1** Each cube is one unit.
- 2** Count the cubes.
- 3** The strip is 4 units long.

Answer: **4 cube-units.****REMEMBER** measure length with touching copies of the same-size unit.

Read each step and explain why it is valid. The next pages demonstrate the methods in more detail. Then use the large work areas on the numbered practice pages.



GRADE 1 / WORKED METHODS

MEASURING WITH EQUAL UNITS

Read a complete example before trying the matching method.

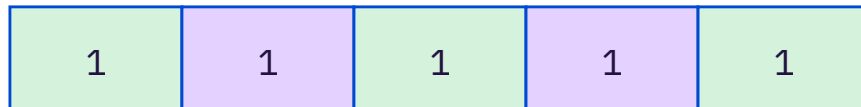


Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

Touching units cover the strip

5 equal units long

1. Start at one end.
2. Place five equal tiles with no gaps.
3. The count of units is five.



5 touching equal units

No gaps or overlaps; count each unit once



GRADE 1 / WORKED METHODS

MEASURING WITH EQUAL UNITS

Read a complete example before trying the matching method.

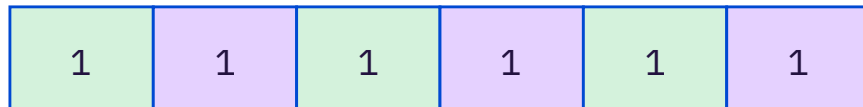


Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

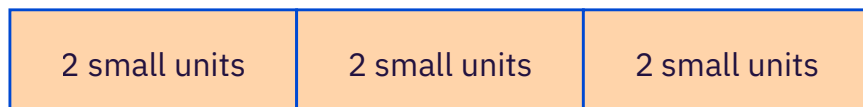
The same length can use larger units

6 small units = 3 double-size units

1. Keep the strip fixed.
2. Each large unit covers two small ones.
3. Six small units match three large ones.



6 touching equal units



Same whole: 6 small units or 3 larger units



GRADE 1 / MATHEMATICAL WORK TOOL

MEASURING WITH EQUAL UNITS

Draw, build or tell.



Use these lines to draw length models. Measure real strips with equal cubes or tiles, placed end to end. This page is not a calibrated ruler.





GRADE 1 / PRACTICE

MEASURING WITH EQUAL UNITS

Draw, build or tell your thinking.



Use the worked-method reference when helpful. Draw, build or tell your thinking. An adult may read the directions.

◀ Mild

1. Draw a strip exactly 5 tile-lengths long. Show each unit.

My answer or words: _____



GRADE 1 / PRACTICE

MEASURING WITH EQUAL UNITS

Draw, build or tell your thinking.



Use the worked-method reference when helpful. Draw, build or tell your thinking. An adult may read the directions.

◀ Mild

2. Lay same-size paper clips along a pencil. Record its whole-unit length. Then repeat with a pencil of a different length. Use 4 as a model count.

My answer or words: _____



GRADE 1 / PRACTICE

MEASURING WITH EQUAL UNITS

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◀ Medium

3. A strip fits 6 tiles. Each tile is one unit. Write its length.

My answer or words: _____



GRADE 1 / PRACTICE

MEASURING WITH EQUAL UNITS

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Medium

4. Draw 4 touching equal units. Label the start and end.

Grid area for drawing 4 touching equal units.

My answer or words: _____



GRADE 1 / PRACTICE

MEASURING WITH EQUAL UNITS

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Medium

5. Two 4-unit strips use the same unit. Must their lengths match?

My answer or words: _____



GRADE 1 / PRACTICE

MEASURING WITH EQUAL UNITS

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🔥🔥🔥 Spicy

**6. Digit leaves gaps between the 4 tiles used to measure a strip.
Can the count be trusted?**

My answer or words: _____



GRADE 1 / PRACTICE

MEASURING WITH EQUAL UNITS

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🔥🔥🔥 Spicy

7. Use 5 equal cubes to build and measure a strip. Show it.

My answer or words: _____



GRADE 1 / PRACTICE

MEASURING WITH EQUAL UNITS

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Extra Spicy

8. A strip is 8 small units or 4 large units long. Must it have changed length?

My answer or words: _____