

Grade 1 · Measuring Length · Worksheet

Answer Key

Common Core 1.MD.A.1, 1.MD.A.2 · mathovore.fr

Use this answer key to check each problem. Every answer shows the steps in short sentences, so a parent or teacher can explain why a ribbon is longer or why the cubes must touch. Pictures show the correct counts.

Grade 1 Common Core: 1.MD.A.1 · 1.MD.A.2

Problem 1: Longer ribbon

Both ribbons start at the same line. The red ribbon reaches farther.

The longer ribbon is the **red ribbon**.

Problem 2: Shorter crayon

The green crayon stops sooner than the orange crayon.

The shorter crayon is the **green crayon**.

Problem 3: Longest rope

Rope A reaches the farthest. Rope B stops first. Rope C is in the middle.

The longest rope is **Rope A**.

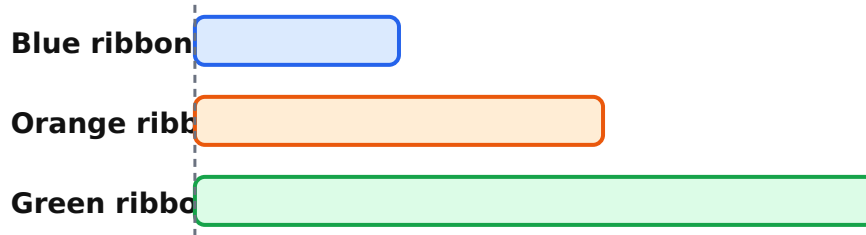
Problem 4: Shortest pencil

The violet pencil stops first. The other two reach farther.

The shortest pencil is the **violet pencil**.

Problem 5: Order three ribbons

Blue stops first, so blue is the shortest. Green reaches farthest, so green is the longest. Orange is in the middle.



The ribbons in order from shortest to longest.

The order is **blue, orange, green**.

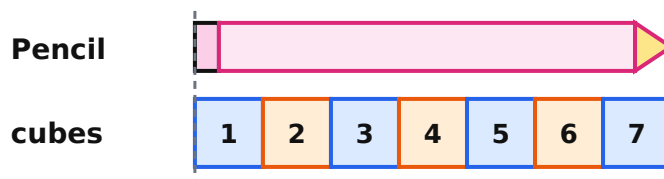
Problem 6: Same length

Stick A and Stick C end at the same place. Stick B is longer and Stick D is shorter.

The two sticks are **A and C**.

Problem 7: Count the cubes

Count the cubes one at a time: 1, 2, 3, 4, 5, 6, 7.

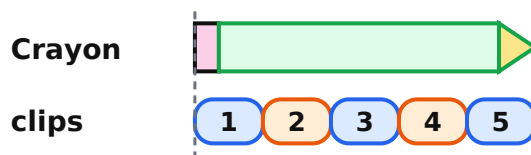


Each cube is numbered.

The pencil is **7 cubes long**.

Problem 8: Count the paper clips

Count the paper clips one at a time: 1, 2, 3, 4, 5.



Each paper clip is numbered.

The crayon is **5 paper clips long**.

Problem 9: Measure the key

Count the cubes under the key: 1, 2, 3, 4.

The key is **4 cubes** long.

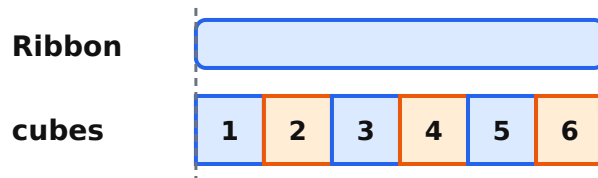
Problem 10: Fill in the blank

Count by ones: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.

The straw is **10 cubes** long.

Problem 11: Find the gap

There are gaps between the cubes. Gaps leave out part of the length, so the count would be too small.



The cubes touch. The ribbon is 6 cubes long.

Correct way: lay the cubes so they touch. The ribbon is **6 cubes long**.

Problem 12: Find the overlap

The cubes overlap. Some of the length is counted twice, so the count would be too big.

Correct way: lay the cubes end to end so they only touch. The ribbon is **5 cubes long**.

Problem 13: Wrong starting spot

The first cube does not start at the left end of the pencil. The last cube sticks out past the right end.

Correct way: **put the first cube at the very start of the pencil**. Then the pencil is 6 cubes long.

Problem 14: Compare with cubes

5 is less than 8, so the marker needs fewer cubes.

The shorter object is the **marker**.

Problem 15: Order by cubes

The numbers are 12, 7, and 4. The biggest number is the longest object.

The order is **toy car, book, eraser**.

Problem 16: Use the string

The string is as long as the desk. The bookshelf is longer than the string.

So the **bookshelf** is longer than the desk.

Problem 17: Two scarves

Mia's scarf is shorter than the rope. The rope is shorter than Noah's scarf. So Noah's scarf is longer than both.

Noah's scarf is longer.

Problem 18: Small cubes and big blocks

The table is 12 small cubes long. It is only 6 big blocks long.

The big block covers more of the table, so it needs fewer. The **big block** is the longer unit.

Problem 19: Toy car and truck

Start with the car: 7 cubes. Add 3 more cubes.

$$7+3=10$$

The truck is **10 cubes long**.

Problem 20: Three ribbons

The numbers are 6, 9, and 11. Put them in order from the smallest: 6, 9, 11.

The order is **red, green, blue**.

Problem 21: Could it be?

The eraser must be less than 8 cubes long.

- 3 cubes is less than 8: yes.
- 8 cubes is the same as the pencil: no.
- 10 cubes is longer than the pencil: no.

The answers are **yes, no, no**.

Problem 22: Out of cubes

The first row used 5 cubes. The second row used 5 more cubes.

$$5+5=10$$

The book is **10 cubes long**.

Problem 23: Garden flowers

(a) The numbers in order from the biggest are 14, 11, and 9. The order is **sunflower, daisy, tulip**.

(b) Count how much more 14 is than 9.

$$14-9=5$$

The sunflower is **5 cubes taller**.