



GRADE 2 / WATCH MR DJ SOLVE

COMPARING LENGTHS

Start with the same example used in the lesson slides.

**WATCH MR DJ SOLVE****A red ribbon is 18 cm. A blue ribbon is 11 cm. How much longer is the red one?**

- 1** Align the starts.
- 2** $18 - 11 = 7$.
- 3** Label the extra part in cm.

Answer: **7 cm****REMEMBER** measure and compare lengths by finding the extra part in the same 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 2 / WORKED METHODS

COMPARING LENGTHS

Read a complete example before trying the matching method.

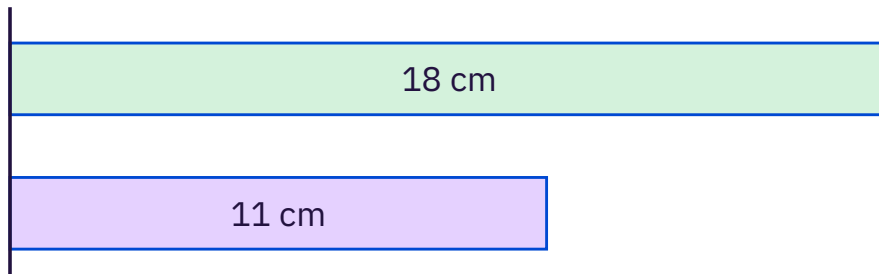


Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

Align the starts

18 cm is 7 cm longer than 11 cm

1. Start both strips at the same point.
2. Match the common 11 cm.
3. $18 - 11 = 7$ cm remains.



Extra length: $18 - 11 = 7$ cm



GRADE 2 / WORKED METHODS

COMPARING LENGTHS

Read a complete example before trying the matching method.

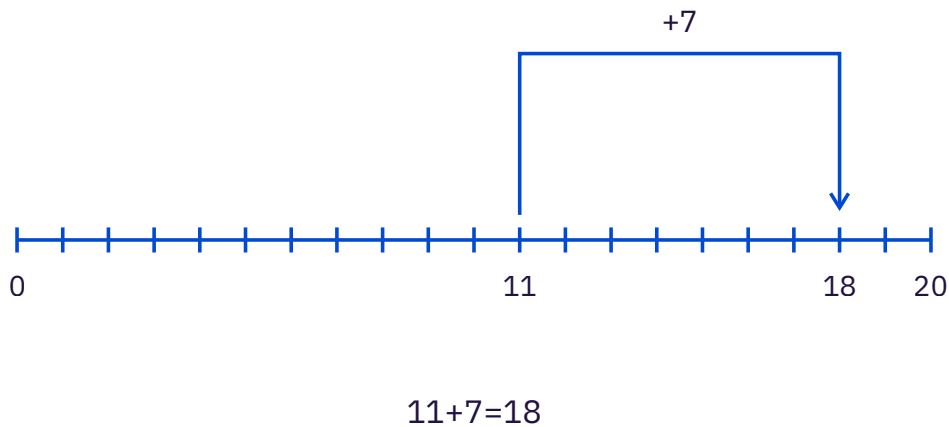


Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

Rebuild the longer length

$11+7=18$ cm

1. The short strip is 11 cm.
2. The extra part is 7 cm.
3. Together they match the long strip.





GRADE 2 / MATHEMATICAL WORK TOOL

COMPARING LENGTHS

Draw, label and explain.



Make equal intervals and label zero and the unit. For number lines, keep one scale. This page is not a calibrated ruler: use a real ruler for measuring objects.





GRADE 2 / PRACTICE

COMPARING LENGTHS

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

☛ Mild

1. A stick is 18 inches. A shorter stick is 11 inches. Find the difference.

Grid area for working out the solution to Question 1.

My answer / conclusion: _____

☛ Mild

2. A pencil is 11 cm. Another is 7 cm longer. Find the longer length.

Grid area for working out the solution to Question 2.

My answer / conclusion: _____



Date _____

COMPARING LENGTHS

A cartoon fox mascot with orange fur, large eyes, and a purple scarf, holding a yellow pencil.

Medium 3. Measure two pencils with a real ruler. Record both whole-cm lengths and the difference.

My answer / conclusion: _____



Date _____

COMPARING LENGTHS

A cartoon fox mascot with orange fur, large eyes, and a purple scarf, holding a yellow pencil.

Medium 4. Two ribbons are both 18 cm long. How much longer is one than the other?

My answer / conclusion: _____



GRADE 2 / PRACTICE

COMPARING LENGTHS

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

◀◀ Medium

5. An 18-cm line starts at the same point as an 11-cm line. Draw and label the extra part.

My answer / conclusion: _____



GRADE 2 / PRACTICE

COMPARING LENGTHS

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

🔥🔥🔥 Spicy

6. Digit adds $18+11$ to find how much longer the first ribbon is. Explain the needed operation.

Grid area for showing work and explanation.

My answer / conclusion: _____



Date _____

COMPARING LENGTHS

A cartoon fox mascot with orange fur, large eyes, and a purple scarf, holding a yellow pencil.

🔥🔥🔥 **Spicy** 7. One ribbon is 18 cm and another is 11 inches. Can you subtract the two numbers to compare lengths?

My answer / conclusion: _____



GRADE 2 / PRACTICE

COMPARING LENGTHS

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

Extra Spicy

8. Add 3 cm to each of two ribbons of lengths 18 cm and 11 cm. Does their length difference change?

Grid area for working out the solution.

My answer / conclusion: _____