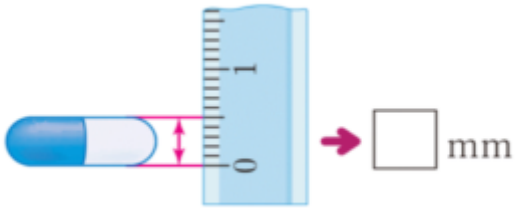
Hana math

Length and perimeter

01 Measure the marked length using a ruler.



02 Calculate the total length in millimeters.

16 cm + 2 mm = ___

03 Compare tape usage.

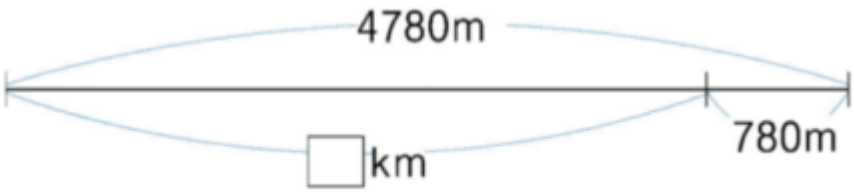
Yeonju: 518 mm

Hao: 50 cm 9 mm

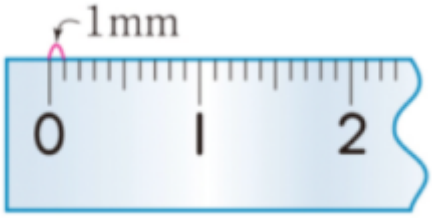
Who used more tape?

① Yeonju ② Hao

04 Fill in the blank with the correct number.



05 Complete the equivalence.



1 cm = ___ mm

06 Convert to meters.

4 km 80 m = ___ m

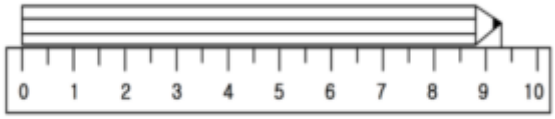
07 Convert to meters.

3 km 50 m = ___ m

08 Select the appropriate unit for measuring a math textbook's thickness.

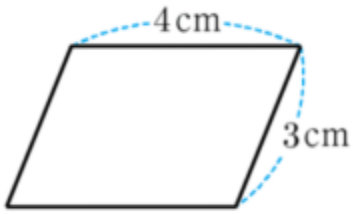
① m ② cm ③ mm ④ km

09 Choose the unit for accurately measuring a pencil's length.



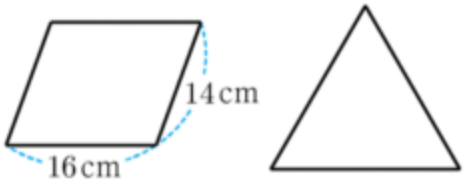
① km ② m ③ cm ④ mm ⑤ kg

10 Calculate the perimeter of the parallelogram (in cm).



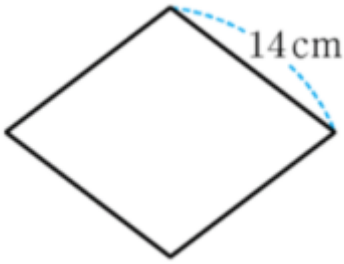
① 8cm ② 10cm ③ 12cm ④ 14cm ⑤ 16cm

11 A parallelogram and a regular triangle have equal perimeters.
Find the triangle's side length.



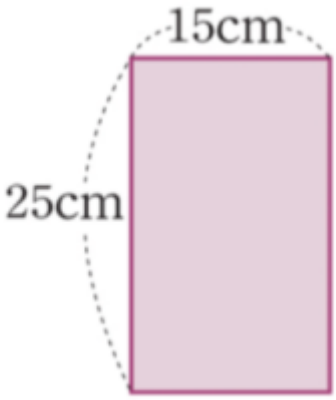
① 16cm ② 17cm ③ 18cm ④ 19cm ⑤ 20cm

12 Find the perimeter of the rhombus.

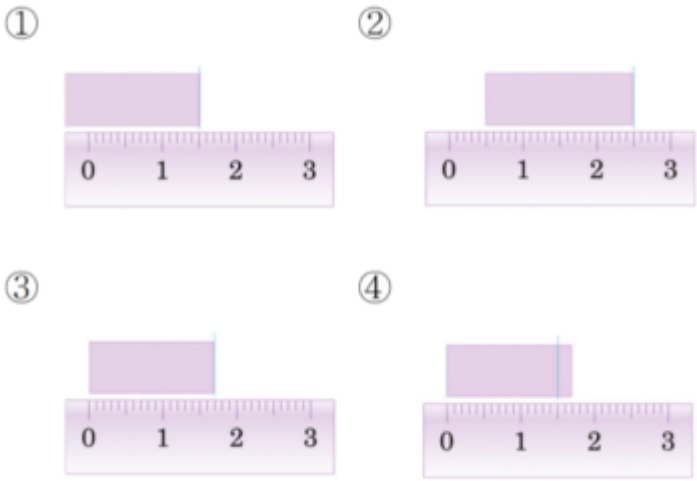


① 56cm ② 52cm ③ 46cm ④ 42cm ⑤ 38cm

13 Calculate the perimeter of the rectangle.



14 Identify the correct measurement of an eraser's length.



15 Determine the pencil's length in mm.

01 **Answer:** 5 mm
Explanation: The ruler shows 5 small divisions, each representing 1 mm.

02 **Answer:** 162 mm
Explanation: Convert 16 cm to mm (160 mm) and add 2 mm:
160 mm + 2 mm = 162 mm.

03 **Answer:** ①
Explanation: Convert Hao's usage to mm: 50 cm = 500 mm;
total = 500 mm + 9 mm = 509 mm. Since 518 mm > 509 mm, Yeonju used more.

04 **Answer:** 4
Explanation: 4780 m = 4000 m (4 km) + 780 m.

05 **Answer:** 10
Explanation: 1 cm is divided into 10 equal parts, each 1 mm.

06 **Answer:** 4080
Explanation: 4 km = 4000 m; total = 4000 m + 80 m = 4080 m.

07 **Answer:** 3050
Explanation: 3 km = 3000 m; total = 3000 m + 50 m = 3050 m.

08 **Answer:** ③
Explanation: Millimeters (mm) provide precise measurements for small thickness

09 **Answer:** ④
Explanation: Millimeters (mm) are suitable for measuring lengths smaller than 1 cm.

10 **Answer:** ④
Explanation: Perimeter = 2 × (Base + Side) = 2 × (4 + 3) = 14 cm.

11 **Answer:** ⑤
Explanation: Parallelogram perimeter = 2 × (14 + 16) = 60 cm.
Regular triangle perimeter = 3 × side. Thus, 3 × side = 60 → side = 20 cm.

12 **Answer:** ①
Explanation: Perimeter of a rhombus = 4 × side = 4 × 14 = 56 cm.

13 **Answer:** 80 cm
Explanation: Perimeter = 2 × (Length + Width) = 2 × (25 + 15) = 80 cm

14 **Answer:** ③
Explanation: Correct measurement starts at zero and aligns with the endpoint.

15 **Answer:** 62 mm
Explanation: 6 cm = 60 mm; total = 60 mm + 2 mm = 62 mm