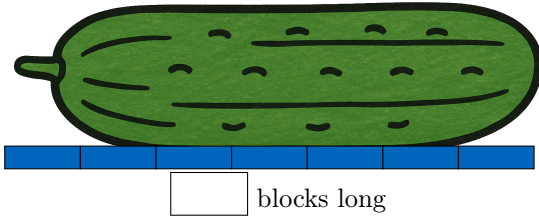


# LENGTH

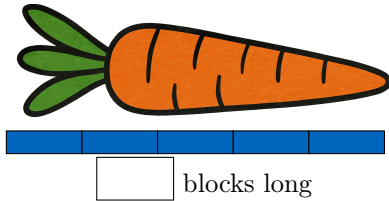
## A DEFINITION

### A.1 MEASURING LENGTHS WITH BLOCKS

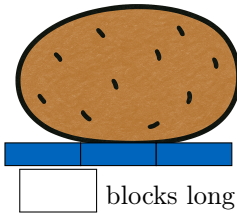
Ex 1: How long?



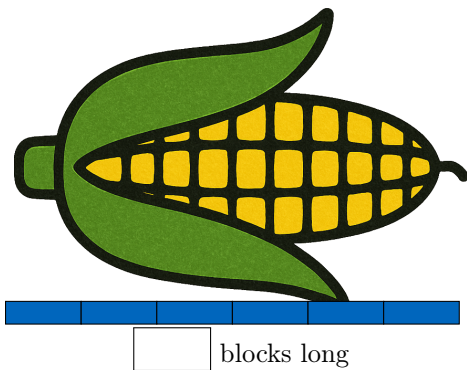
Ex 2: How long?



Ex 3: How long?

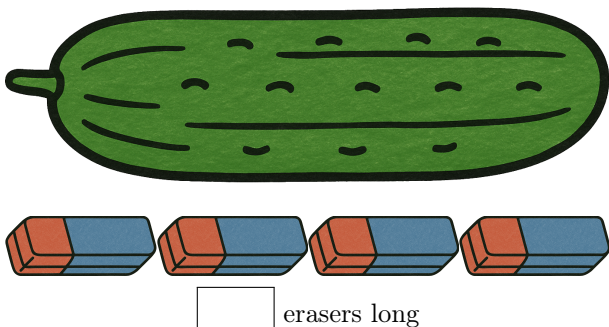


Ex 4: How long?

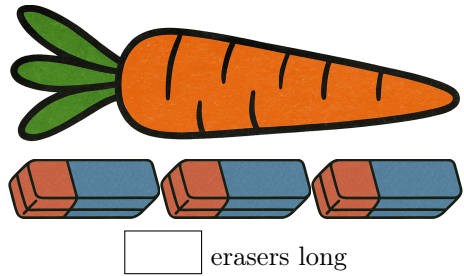


### A.2 MEASURING LENGTHS WITH ERASERS

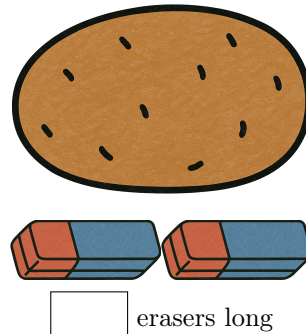
Ex 5: How long?



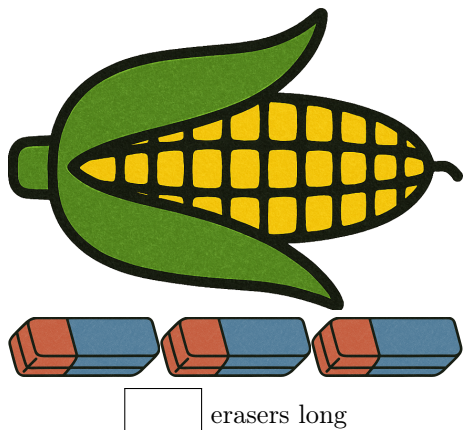
Ex 6: How long?



Ex 7: How long?



Ex 8: How long?



## B LENGTH UNITS

### B.1 CHOOSING LENGTH UNITS

**MCQ 9:** Which unit will be used to measure how long a pencil is?

Choose 1 answer:

- ☐ Millimeters
- ☐ Centimeters
- ☐ Meters
- ☐ Kilometers

**MCQ 10:** Which unit will be used to measure the distance between two cities?

Choose 1 answer:

- ☐ Millimeters

- ☐ Centimeters
- ☐ Meters
- ☐ Kilometers

**MCQ 11:** Which unit will be used to measure how tall a tree is?

Choose 1 answer:

- ☐ Millimeters
- ☐ Centimeters
- ☐ Meters
- ☐ Kilometers

**MCQ 12:** Which unit will be used to measure the length of an ant?

Choose 1 answer:

- ☐ Millimeters
- ☐ Centimeters
- ☐ Meters
- ☐ Kilometers

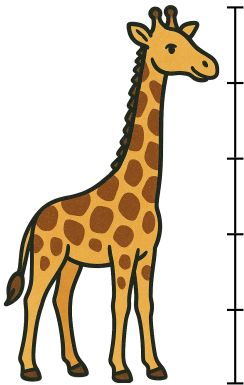
**MCQ 13:** Which unit will be used to measure how long a book is?

Choose 1 answer:

- ☐ Millimeters
- ☐ Centimeters
- ☐ Meters
- ☐ Kilometers

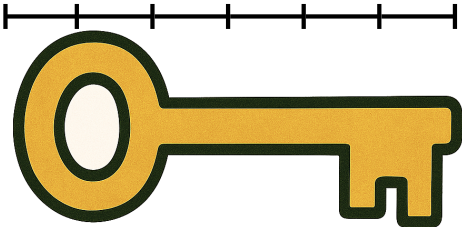
**B.2 MEASURING**

**Ex 14:**



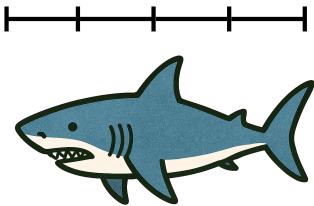
The giraffe measures  ☐ centimeters ☐ meters tall.

**Ex 15:**



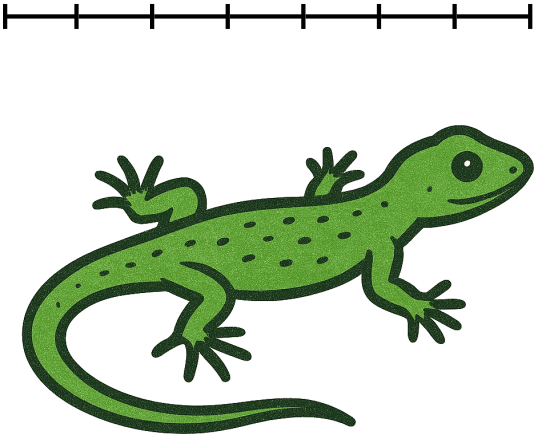
The key measures  ☐ centimeters ☐ meters long.

**Ex 16:**



The shark measures  ☐ centimeters ☐ meters long.

**Ex 17:**



The lizard measures  ☐ centimeters ☐ meters long.

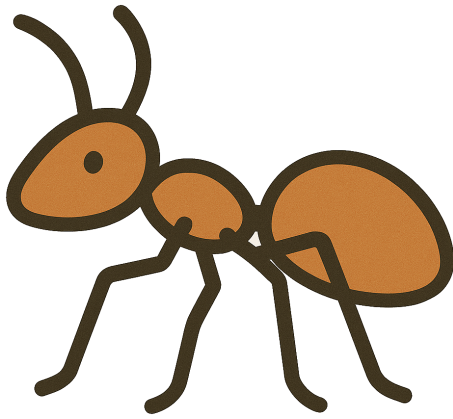
**Ex 18:**



Mount Fuji measures  ☐ meters ☐ kilometers tall.

**Ex 19:**





The ant measures  ☐ millimeters  
☐ centimeters long.

## C CONVERSION OF LENGTH UNITS

### C.1 CONVERTING UNITS OF LENGTH

**Ex 20:** Convert:

$$2 \text{ km} = \text{ } \text{m.}$$

**Ex 21:** Convert:

$$4 \text{ m} = \text{ } \text{cm.}$$

**Ex 22:** Convert:

$$300 \text{ cm} = \text{ } \text{m.}$$

**Ex 23:** Convert:

$$4\,000 \text{ m} = \text{ } \text{km.}$$

**Ex 24:** Convert:

$$23 \text{ cm} = \text{ } \text{mm.}$$

**Ex 25:** Convert:

$$6\,000 \text{ mm} = \text{ } \text{m.}$$

### C.2 CONVERTING UNITS OF LENGTH WITH DECIMAL NUMBERS

**Ex 26:** Convert:

$$2.3 \text{ km} = \text{ } \text{m.}$$

**Ex 27:** Convert:

$$1.60 \text{ m} = \text{ } \text{cm.}$$

**Ex 28:** Convert:

$$22.5 \text{ cm} = \text{ } \text{mm.}$$

**Ex 29:** Convert:

$$185 \text{ cm} = \text{ } \text{m.}$$

**Ex 30:** Convert:

$$2\,300 \text{ m} = \text{ } \text{km.}$$

**Ex 31:** Convert:

$$42.2 \text{ km} = \text{ } \text{m.}$$

### C.3 SOLVING PROBLEMS WITH UNIT CONVERSIONS

**MCQ 32:** Hugo and Louis go walking. Louis walks 5 000 meters, and Hugo walks 4.2 kilometers. Who did the longest walk?

- ☐ Louis  
☐ Hugo

**MCQ 33:** A giraffe is 5.1 meters tall, and a horse is 200 centimeters tall. Which animal is taller?

- ☐ Giraffe  
☐ Horse

**MCQ 34:** A snake is 3.8 meters long, and a crocodile is 400 centimeters long. Which animal is longer?

- ☐ Snake  
☐ Crocodile

**MCQ 35:** Emma walks 2.7 km to school, and Liam walks 3 000 meters to school. Who walks farther?

- ☐ Emma  
☐ Liam