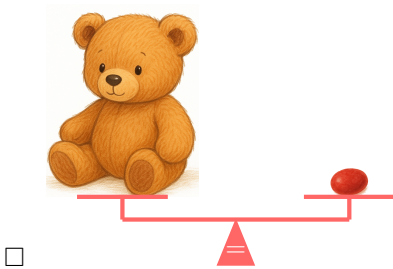
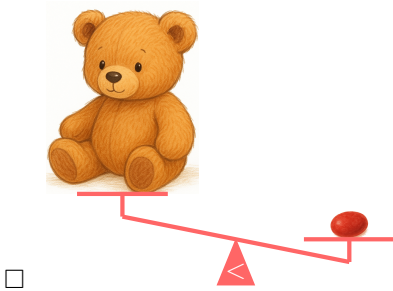
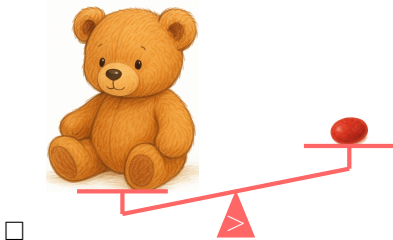


# MASS

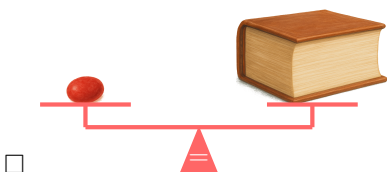
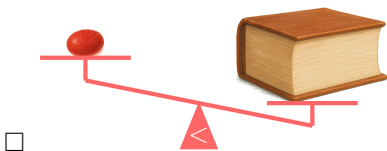
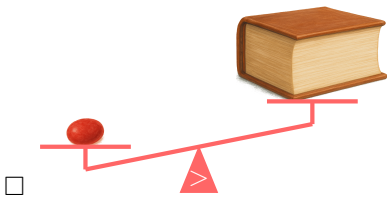
## A WHAT IS A MASS?

### A.1 COMPARING OBJECT MASSES

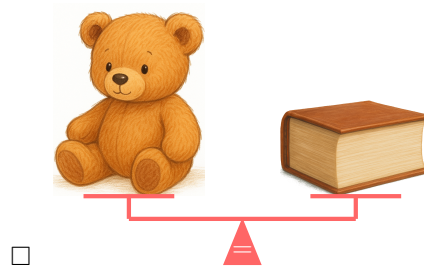
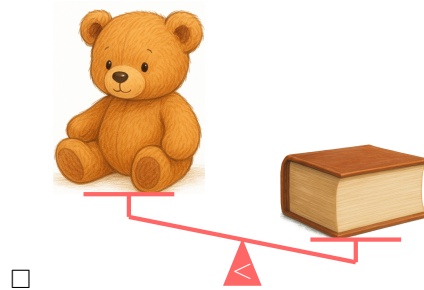
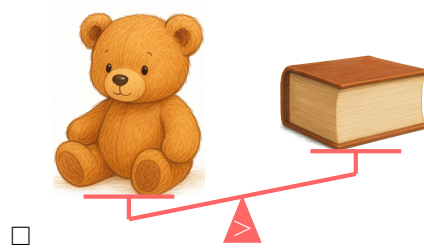
**MCQ 1:** Compare the mass of a candy and a teddy bear.  
Choose the correct picture



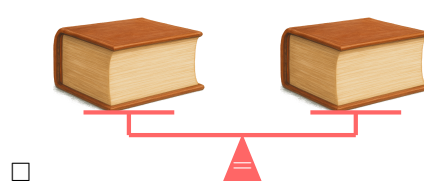
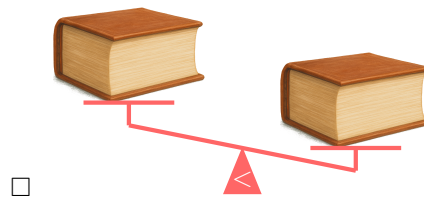
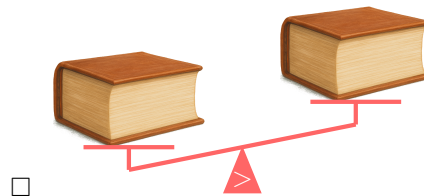
**MCQ 2:** Compare the mass of a book and a candy.  
Choose the correct picture



**MCQ 3:** Compare the mass of a teddy bear and a book.  
Choose the correct picture



**MCQ 4:** Compare the mass of a book and another book.  
Choose the correct picture



## B STANDARD UNITS OF MASS

### B.1 CHOOSING THE MASS UNIT

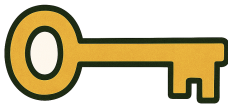
**MCQ 5:** Which unit will be used to measure the mass of a 6-year-old boy?



Choose 1 answer:

- ☐ Milligrams
- ☐ Grams
- ☐ Kilograms
- ☐ Tonnes

**MCQ 6:** Which unit will be used to measure the mass of keys?



Choose 1 answer:

- ☐ Milligrams
- ☐ Grams
- ☐ Kilograms
- ☐ Tonnes

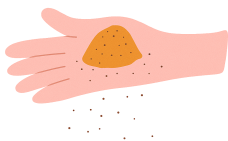
**MCQ 7:** Which unit will be used to measure the mass of a truck?



Choose 1 answer:

- ☐ Milligrams
- ☐ Grams
- ☐ Kilograms
- ☐ Tonnes

**MCQ 8:** Which unit will be used to measure the mass of a grain of sand?



Choose 1 answer:

- ☐ Milligrams
- ☐ Grams
- ☐ Kilograms

- ☐ Tonnes

**MCQ 9:** Which unit will be used to measure the mass of a washing machine?



Choose 1 answer:

- ☐ Milligrams
- ☐ Grams
- ☐ Kilograms
- ☐ Tonnes

## B.2 CHOOSING THE BEST ESTIMATE

**MCQ 10:** Choose the best estimate for the mass of a drop of water.



- ☐ 0.5 mg
- ☐ 5 mg
- ☐ 50 mg

**MCQ 11:** Choose the best estimate for the mass of a 6-year-old boy.



- ☐ 3.5 kg
- ☐ 35 kg
- ☐ 350 kg

**MCQ 12:** Choose the best estimate for the mass of a truck.



- ☐ 0.5 t
- ☐ 5 t
- ☐ 50 t

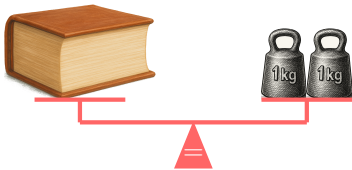
**MCQ 13:** Choose the best estimate for the mass of a full can of 33 cl.



- ☐ 3.5 g
- ☐ 35 g
- ☐ 350 g

**B.3 MEASURING OBJECT MASSES**

**Ex 14:** What is the mass of the book?



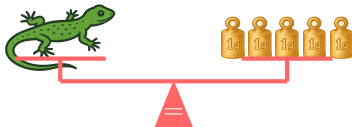
kg

**Ex 15:** What is the mass of the marble?



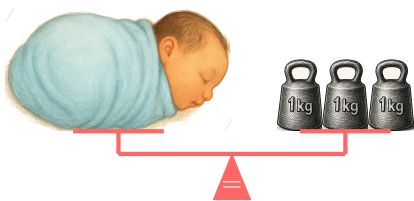
g

**Ex 16:** What is the mass of the lizard?



g

**Ex 17:** What is the mass of the baby?



kg

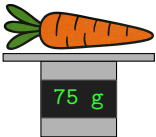
**B.4 MEASURING MASSES USING A DIGITAL BALANCE**

**Ex 18:** What is the mass of the teddy bear?



g

**Ex 19:** What is the mass of the carrot?



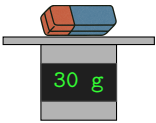
g

**Ex 20:** What is the mass of the full can of 33 cl?



g

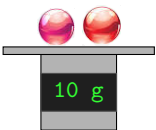
**Ex 21:** What is the mass of the eraser?



g

**B.5 FINDING MASS OF MULTIPLE ITEMS**

**Ex 22:**



- What is the mass of 2 marbles?

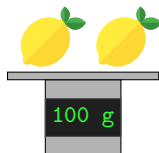
g

- What is the mass of 1 marble?

g



Ex 23:



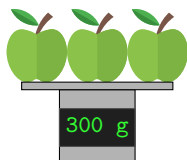
- What is the mass of 2 lemons?

g

- What is the mass of 1 lemon?

g

Ex 24:



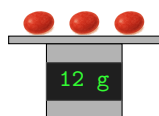
- What is the mass of 3 apples?

g

- What is the mass of 1 apple?

g

Ex 25:



- What is the mass of 3 candies?

g


- What is the mass of 1 candy?

g

## B.6 CALCULATING PRICES OF FRUITS

Ex 26: The price per kg of apples  is 2 dollars. I buy 3 kilos. What is the price?


dollars

Ex 27: The price per kg of lemons  is 3 dollars. I buy 4 kilos. What is the price?

dollars

Ex 28: The price per kg of oranges  is 2 dollars. I buy 5 kilos. What is the price?

dollars

Ex 29: The price per kg of cherries  is 5 dollars. I buy 4 kilos. What is the price?

dollars

## C CONVERSION OF MASS UNITS

### C.1 CONVERTING BETWEEN GRAMS AND KILOGRAMS

Ex 30: Convert:

2.5 kg =  g

Ex 31: Convert:

0.5 kg =  g

Ex 32: Convert:

1 500 g =  kg

Ex 33: Convert:

600 g =  kg

### C.2 CONVERTING BETWEEN KILOGRAMS AND TONNES

Ex 34: Convert:

0.5 t =  kg

Ex 35: Convert:

3 500 kg =  t

Ex 36: Convert:

2.5 t =  kg

Ex 37: Convert:

100 kg =  t

### C.3 CONVERTING BETWEEN MILLIGRAMS AND GRAMS

Ex 38: Convert:

0.5 g =  mg

Ex 39: Convert:

2.5 g =  mg

Ex 40: Convert:

3 500 mg =  g

Ex 41: Convert:

100 mg =  g



## C.4 CONVERTING MIXED MASS UNITS

**Ex 42:** Convert:

$$3 \text{ kg } 200 \text{ g} = \boxed{\phantom{000}} \text{ g}$$

**Ex 43:** Convert:

$$8 \text{ kg } 500 \text{ g} = \boxed{\phantom{000}} \text{ g}$$

**Ex 44:** Convert:

$$2 \text{ kg } 500 \text{ g} = \boxed{\phantom{000}} \text{ kg}$$

**Ex 45:** Convert:

$$5 \text{ kg } 800 \text{ g} = \boxed{\phantom{000}} \text{ kg}$$



## C.5 CALCULATING PRICES OF FRUITS

**Ex 46:**  The price per kg of lemons  is 4 dollars. I buy 500 g. What is the price?



dollars

**Ex 47:**  The price per kg of oranges  is 10 dollars. I buy 750 g. What is the price?

dollars

**Ex 48:**  The price per kg of apples  is 2 dollars. I buy 2 kg 500 g. What is the price?

dollars

**Ex 49:**  The price per kg of cherries  is 2 dollars. I buy 2 kg 600 g. What is the price?

dollars