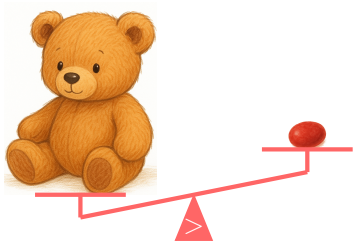
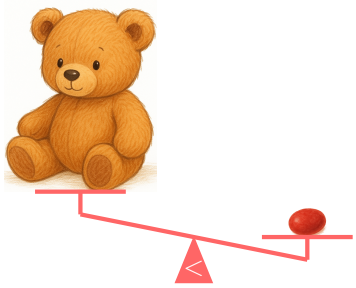
MASS

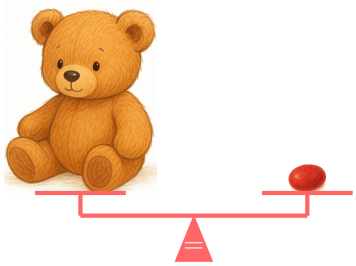
A DEFINITION

A.1 COMPARING OBJECT MASSES

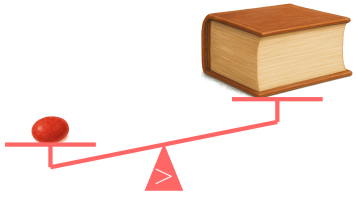
MCQ 1: Compare the mass of a candy and a teddy bear.
Choose the correct picture

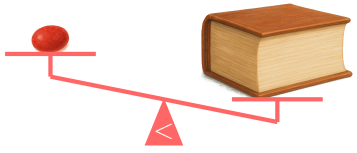


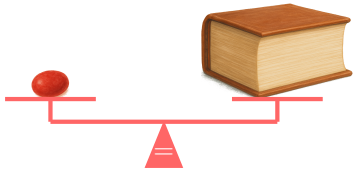




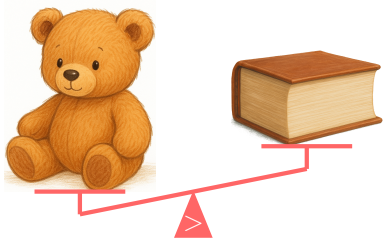
MCQ 2: Compare the mass of a book and a candy.
Choose the correct picture

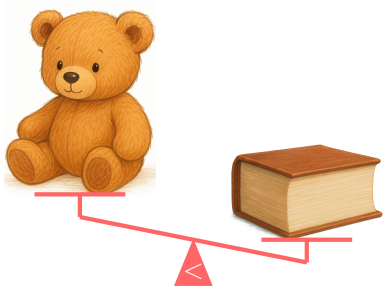


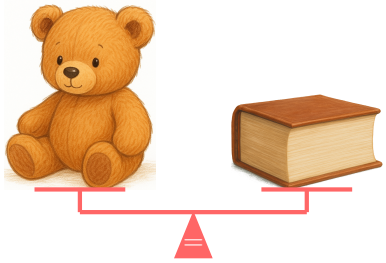




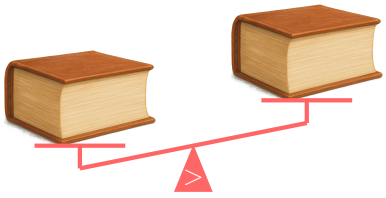
MCQ 3: Compare the mass of a teddy bear and a book.
Choose the correct picture

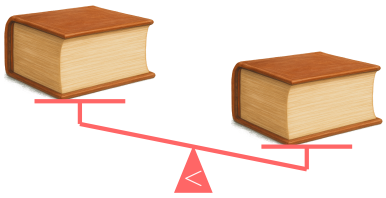


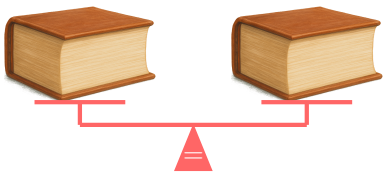




MCQ 4: Compare the mass of a book and another book.
Choose the correct picture







B MASS UNITS

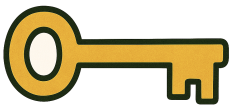
B.1 CHOOSING THE MASS UNIT

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:

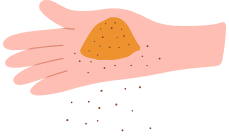
- ☐ Milligrams
- ☐ Grams
- ☐ Kilograms
- ☐ Tonnes

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.

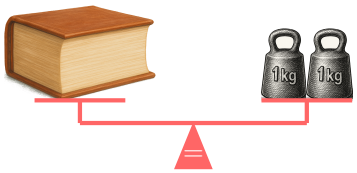
☐ 3.5 g

☐ 35 g

☐ 350 g

B.3 MEASURING OBJECT MASSES

Ex 14: What is the mass of the book?

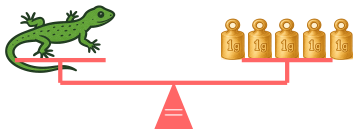


☐ kg

Ex 15: What is the mass of the marble?

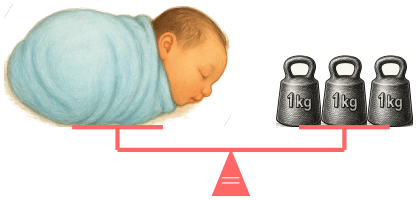
☐ g

Ex 16: What is the mass of the lizard?



☐ g

Ex 17: What is the mass of the baby?



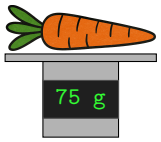
☐ kg

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?

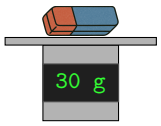


☐ g

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

☐ g

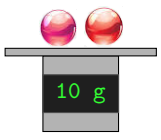
Ex 21: What is the mass of the eraser?



☐ g

B.5 FINDING MASS OF MULTIPLE ITEMS

Ex 22:



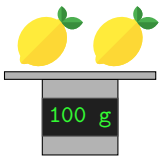
- What is the mass of 2 marbles?

☐ g

- What is the mass of 1 marble?

☐ g

Ex 23:



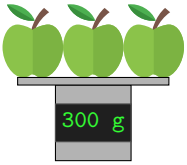
- What is the mass of 2 lemons?

☐ g

- What is the mass of 1 lemon?

☐ g

Ex 24:



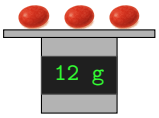
- What is the mass of 3 apples?

☐ 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:

$2.5\,\text{kg} =$ ☐ g

Ex 31: Convert:

$0.5\,\text{kg} =$ ☐ g

Ex 32: Convert:

$1\,500\,\text{g} =$ ☐ kg

Ex 33: Convert:

$600\,\text{g} =$ ☐ kg

C.2 CONVERTING BETWEEN KILOGRAMS AND TONNES

Ex 34: Convert:

$0.5\,\text{t} =$ ☐ kg

Ex 35: Convert:

$3\,500\,\text{kg} =$ ☐ t

Ex 36: Convert:

$2.5\,\text{t} =$ ☐ kg

Ex 37: Convert:

$100\,\text{kg} =$ ☐ t

C.3 CONVERTING BETWEEN MILLIGRAMS AND GRAMS

Ex 38: Convert:

$0.5\,\text{g} =$ ☐ mg

Ex 39: Convert:

$2.5\,\text{g} =$ ☐ mg

Ex 40: Convert:

$3\,500\,\text{mg} =$ ☐ g

Ex 41: Convert:

$100\,\text{mg} =$ ☐ g

C.4 CONVERTING MIXED MASS UNITS

Ex 42: Convert:

$3\,\text{kg}\ 200\,\text{g} =$ ☐ g

Ex 43: Convert:

$8\,\text{kg}\ 500\,\text{g} =$ ☐ g

Ex 44: Convert:

$2\,\text{kg}\ 500\,\text{g} =$ ☐ kg

Ex 45: Convert:

$5\,\text{kg}\ 800\,\text{g} =$ ☐ 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