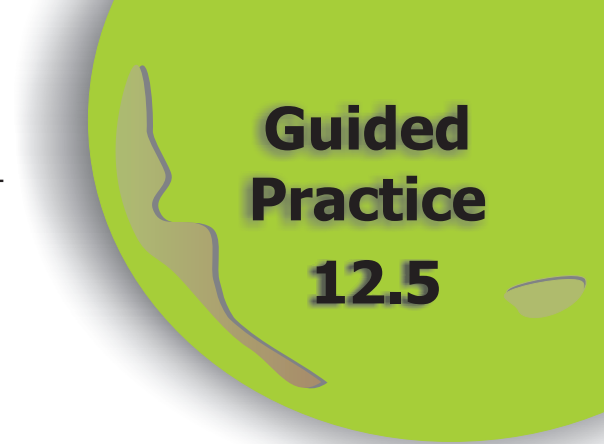


NAME _____

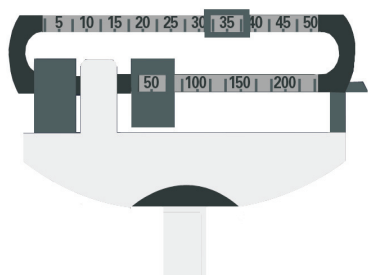
Module 12 Attributes and Tools
Lesson 5 Measurement: Weight and Mass



Set 1

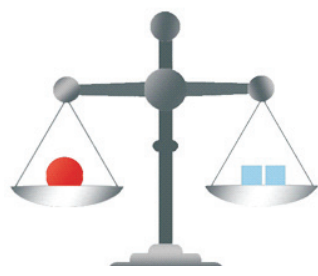
1 Give the weight shown by the scale.

$50 \text{ lb} + 35 \text{ lb} = 85 \text{ lb}$
85 lb



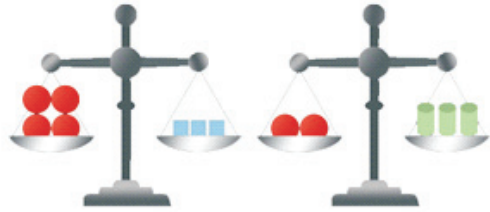
2 The scale shown is balanced. How many blocks are needed to balance three balls?

Six blocks balance three balls.



3 The scales shown are balanced. How many cans are needed to balance three blocks?

Six cans balance three blocks.



Set 2

- 1 Oscar's backpack originally weighed 15 pounds, two ounces. He removed two textbooks weighing two pounds, two ounces and three pounds, one ounce. What is the new weight of the backpack?

Total Weight of Books:	Final Weight of Backpack:
2 lb 2 oz	15 ¹⁴ lb 2 ¹⁸ oz
<u>+ 3 lb 1 oz</u>	<u>- 5 lb 3 oz</u>
5 lb 3 oz	9 lb 15 oz

The final weight of the backpack is 9 lb 15 oz.

- 2 What is the total weight of six cereal boxes each weighing one pound, four ounces?

$$\begin{aligned}
 &6 \times (1 \text{ lb } 4 \text{ oz}) \\
 &6 \times (20 \text{ oz}) \\
 &120 \text{ oz} \\
 &7 \text{ lb } 8 \text{ oz}
 \end{aligned}$$

The total weight is 7 lb 8 oz.

- 3 Maria made seven pounds, four ounces of hot cocoa mix. Then she divided the mix equally among four bags. What is the weight of hot cocoa mix in each bag?

$$\begin{aligned}
 &(7 \text{ lb } 4 \text{ oz}) \div 4 \\
 &(7 \times 16 + 4) \text{ oz} \div 4 \\
 &116 \text{ oz} \div 4 \\
 &29 \text{ oz} \\
 &1 \text{ lb } 13 \text{ oz}
 \end{aligned}$$

Each bag has 1 lb 13 oz of mix.

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Module 12 **Attributes and Tools**
Lesson 5 **Measurement: Weight and Mass**

Set 3

1 Which weighs more: a baby that weighs 3,400 grams or a puppy that weighs 4.2 kilograms?

$$\begin{aligned} 3,400 \text{ g} &= 3.4 \text{ kg} \\ 3.4 \text{ kg} &< 4.2 \text{ kg} \end{aligned}$$

The puppy weighs more than the baby.

2 Brandon has three exercise balls with masses of 4.2 kilograms, 7,800 grams, and 900 grams. What is the total mass of the balls in kilograms?

$$\begin{aligned} 4.2 \text{ kg} &\rightarrow 4.2 \text{ kg} \\ 7,800 \text{ g} &\rightarrow 7.8 \text{ kg} \\ 900 \text{ g} &\rightarrow \underline{+0.9 \text{ kg}} \\ &12.9 \text{ kg} \end{aligned}$$

The total mass is 12.9 kg.

