## Mass \& weight word problems (metric units)

Grade 4 Word Problems Worksheet

1. One pencil crayon weighs 9 g . What is the weight of a box of 8 pencil crayons?
2. 8 pieces of cardboard weigh 48 g . What is the weight of 1 piece of cardboard?
3. A glue stick weighs 57 grams, and a stapler weighs 126 grams heavier than the glue stick. What is the weight of a stapler?

4. Ashley's backpack weighs 2.2 kg and Jack's backpack weighs $2,405 \mathrm{~g}$. Whose backpack is lighter?
5. What is the difference in the weight of Ashley's and Jack's backpacks?
6. The weight of a chapter book is 400 grams. The weight of a dictionary is 1.8 kg . Are four-chapter books heavier than a dictionary?

## Answers

1. $9 \times 8=72$

The weight of a box of pencil crayons is 72 g .
2. $48 \div 8=6$

The weight of 1 piece of cardboard is 6 g .
3. $57+126=183$

The weight of a stapler weighs 183 g .
4. $2.2 \mathrm{~kg}=2200 \mathrm{~g}$

2200 < 2405
Ashley's backpack is lighter.
5. $2405 \mathrm{~g}-2200 \mathrm{~g}=205 \mathrm{~g}$

The difference in the weight of Ashley's and Jack's backpacks is 205 g.
6. $400 \mathrm{~g} \times 4=1600 \mathrm{~g}=1.6 \mathrm{~kg}$

Four-chapter books are not heavier than a dictionary.

