

MILITARY GEAR

Lesson Plan

Working with Weight

Lesson Plan for *Military Gear*

Grade 3

Objective

To help students practice solving simple word problems involving weight.

Things Needed

- *Military Gear* book
- Working with Weight worksheet (attached)
- QR code scanner or access to the “Military Gear” web page on the Pop! website:
<https://popbooksonline.com/inside-the-military/military-gear>

Before the Activity

Read the *Military Gear* book as a class. Print a copy of the Working with Weight worksheet for each student.

Activity

Today, most US soldiers carry more than 60 pounds of gear. To learn more about some of the things they carry, scan the QR code on page 18 or click on the “Learn More” tab of the “Military Gear” web page. Read the caption on the website out loud to students. Then hand out the Working with Weight worksheets. Students should use the information in the caption to calculate the answer to each question.

Evaluation

Collect the worksheets and use the attached answer key to give students 1 point for each correct answer.

Standards

This lesson plan may be used to address the Common Core State Standards’ mathematics standards, grade 3 (CCSS.MATH.CONTENT.3.MD.A.2).



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Working with Weight

1. All together, how much do a soldier's helmet, uniform, and body armor weigh?
2. Is this amount heavier or lighter than most backpacks?
3. Is this amount heavier or lighter than a large backpack?
4. If most soldiers carry about 60 pounds of gear, how many pounds of gear besides the helmet, uniform, and body armor does a soldier carry?
5. If a soldier's body armor weighs 30 pounds, how much would that soldier's helmet and uniform weigh?
6. If a soldier's helmet weighs 5 pounds, how much would that soldier's body armor and uniform weigh?



Working with Weight Answer Key

1. All together, how much do a soldier's helmet, uniform, and body armor weigh?

About 40 pounds

2. Is this amount heavier or lighter than most backpacks?

It's heavier than most backpacks, which weigh 20 to 30 pounds.

3. Is this amount heavier or lighter than a large backpack?

It's lighter than a large backpack, which weighs more than 100 pounds.

4. If most soldiers carry about 60 pounds of gear, how many pounds of gear besides the helmet, uniform, and body armor does a soldier carry?

About 20 pounds (60 pounds – 40 pounds = 20 pounds)

5. If a soldier's body armor weighs 30 pounds, how much would that soldier's helmet and uniform weigh?

10 pounds (40 pounds – 30 pounds = 10 pounds)

6. If a soldier's helmet weighs 5 pounds, how much would that soldier's body armor and uniform weigh?

35 pounds (40 pounds – 5 pounds = 35 pounds)

