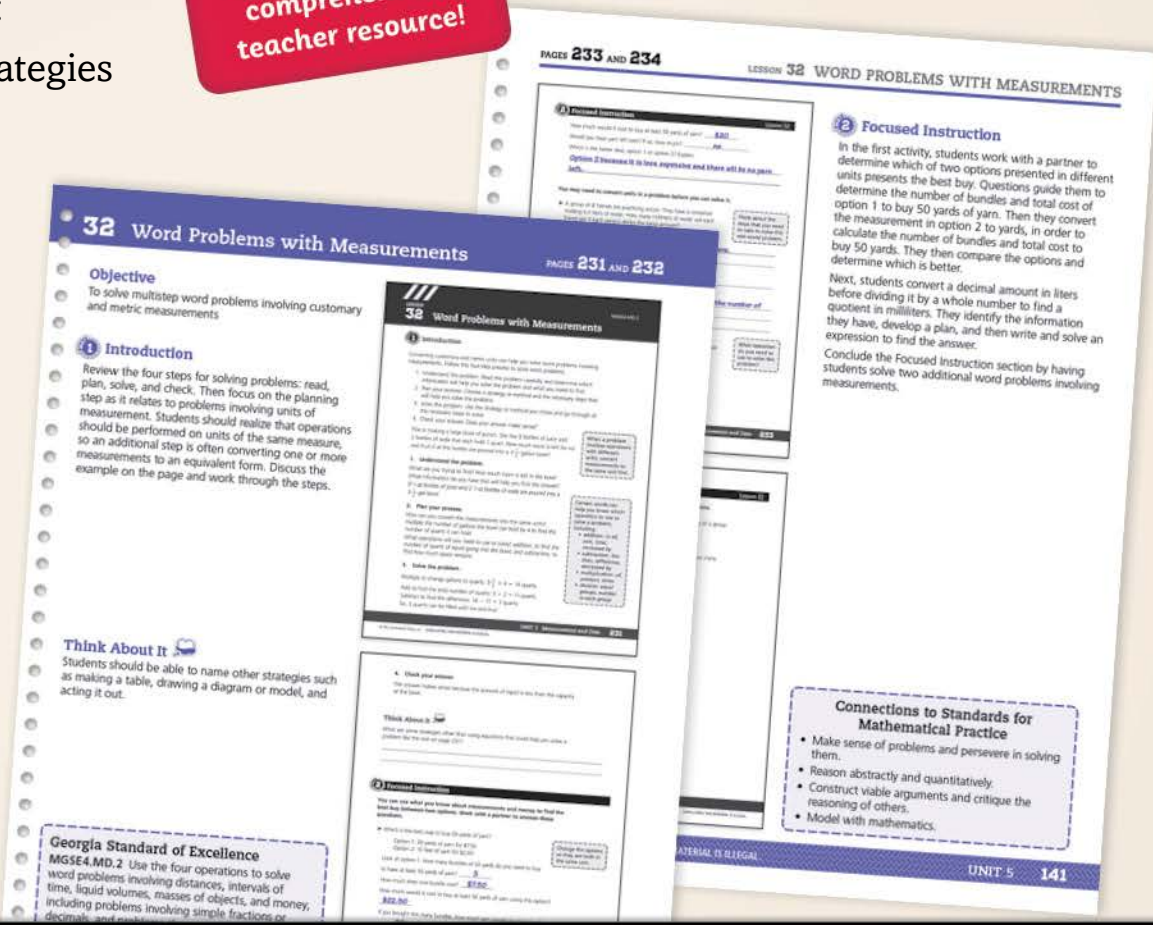


Teaching Support

Annotated teacher's editions include:

- Suggestions for use/teaching strategies
- Annotated student pages with answers
- Connections to the Standards for Mathematical Practice
- Correlations to the Georgia Standards of Excellence (GSEs)
- Hands-on extension activities
- Vocabulary support

Schools love this comprehensive teacher resource!



Teaching Support (cont.)

- Depth of Knowledge (DOK) levels
- Answer rationales

Highlights where students commonly make mistakes

LESSON 32 WORD PROBLEMS WITH MEASUREMENTS PAGES 235 AND 236

3 Guided Practice
Students should complete the Guided Practice section on their own. Offer assistance as needed, pointing out the reminder and hint boxes along the right side of the page.

4 Independent Practice Answer Rationales

- There are 100 centimeters in 1 meter, so the centimeters in 2.5 meters can be found by multiplying 2.5 by 100 or by moving the decimal point two places to the right: 250 . To find the length of the individual portions, divide by 10 : $250 \div 10 = 25$ centimeters; choice B is correct. Choice A is incorrect; it shows the number of meters in the whole sandwich. Choice C is incorrect; it shows the length of the entire sandwich in centimeters, but not the individual portion. Choice D is incorrect; it shows the number of centimeters in the sandwich multiplied rather than divided by the number of friends.
- To find the total amounts of cheese and turkey, multiply each amount by 52, the number of weeks in a year: $52 \times \frac{1}{2} = 26$ pounds, and $52 \times \frac{3}{4} = 39$ pounds. Choice D is correct. Choice A is incorrect; it shows the weekly amounts multiplied by 4, the average number of weeks in a month. Choice B is incorrect; it shows the weekly amounts multiplied by 12, the number of months in a year. Choice C is incorrect; it shows the weekly amounts multiplied first by 4 for 4 weeks in an average month, and then by 12 for 12 months in a year.
- To find the total time, first find the time, in minutes, for the three different parts of the day: regular period, lunch period, and time between periods. There are 44 minutes in a regular period and 6 regular periods: $6 \times 44 = 264$ minutes. Convert the lunch period of 1 hour 10 minutes to 70 minutes. There are 6 periods + 1 lunch period to 70 minutes. There are six 3-minute breaks: $3 \times 6 = 18$ minutes. Add the times: $264 + 70 + 18 = 352$ minutes. Subtract 60 repeatedly to find the number of hours in 352 minutes or find a multiple of 60 that is less than 352: there are 5 hours. The remainder is the number of minutes. So the total time is 5 hours 52 minutes.

3 Independent Practice
Solve the following problems.

1. A car travels 150 miles in 3 hours. How far will it travel in 5 hours? **DOK 2**
MGSE4.MD.2

2. The regular price of a book is \$12.99. The sale price is \$9.99. How much money did you save? **DOK 2**
MGSE4.MD.2

3. A box of 24 pencils costs \$4.80. How much do 6 boxes cost? **DOK 3**
MGSE4.MD.2