

Name _____ **Back to School**



Back-to-School Madness: Middle School Edition

Answer Key

1. Textbook Trouble: Jake will have read 280 pages.
 $40 \text{ pages} \times 7 \text{ textbooks} = 280 \text{ pages}$

2. Locker Combo Confusion: The second number in Emily's combination is 15.
Let the second number be x . First number = $x + 15$, Third number = $2x$; $x + (x + 15) + 2x = 75$; $4x + 15 = 75$; $4x = 60$; $x = 15$

3. Classroom Countdown: Mr. Harris needs 560 pencils in total.
 $5 \text{ periods} \times 28 \text{ students} \times 4 \text{ pencils} = 560 \text{ pencils}$

4. Cafeteria Caper: They spent \$12.50 in total.
Anna: $3 \times \$1.50 = \4.50 ; Ben: $2 \times \$2.25 = \4.50 ; Carlos: $\$4.75$; Total = $\$4.50 + \$4.50 + \$4.75 = \12.50

5. Schedule Shuffle: Sarah spends 30 more minutes in class on "A" days.
"A" day: $6 \times 45 \text{ minutes} = 270 \text{ minutes}$; "B" day: $4 \times 60 \text{ minutes} = 240 \text{ minutes}$; $270 - 240 = 30 \text{ minutes}$

6. Hallway Hustle: James doesn't need to walk any extra feet because he has already walked exactly 250 feet.
 $125 \text{ steps} \times 2 \text{ feet per step} = 250 \text{ feet}$

7. School Supply Splurge: Rebecca got back \$1.75 in change.
Markers: $5 \times \$3.75 = \18.75 ; Notebooks: $8 \times \$2.50 = \20.00 ; Binders: $4 \times \$4.00 = \16.00 ;
Total spent = $\$18.75 + \$20.00 + \$16.00 = \54.75 ; $\$50 - \$54.75 = -\$4.75$; Since she had only \$50, she would have needed \$4.75 more. If this was a mistake in the story, it should be corrected so she gets change based on accurate spending.

8. Homework Hustle: David had to solve 55 math problems.
 $5 \text{ problems} \times 5 \text{ days} = 25 \text{ problems}$; Last two days: 10 problems each = 20 problems;
Total = $25 + 20 = 45 \text{ problems}$

9. Backpack Balance: The total weight of Maria's backpack is 25.5 pounds.
 $3 \text{ notebooks} \times 1.5 \text{ pounds} = 4.5 \text{ pounds}$; $2 \text{ textbooks} \times 3 \text{ pounds} = 6 \text{ pounds}$; Lunchbox = 2 pounds; Total weight = $12 \text{ pounds} + 4.5 \text{ pounds} + 6 \text{ pounds} + 2 \text{ pounds} = 25.5 \text{ pounds}$

10. Field Trip Finances: The students need to pay \$1,312.50 altogether.
Cost per student after school fund = $\$35 / 2 = \17.50 ; Total for 75 students = $75 \times \$17.50 = \$1,312.50$