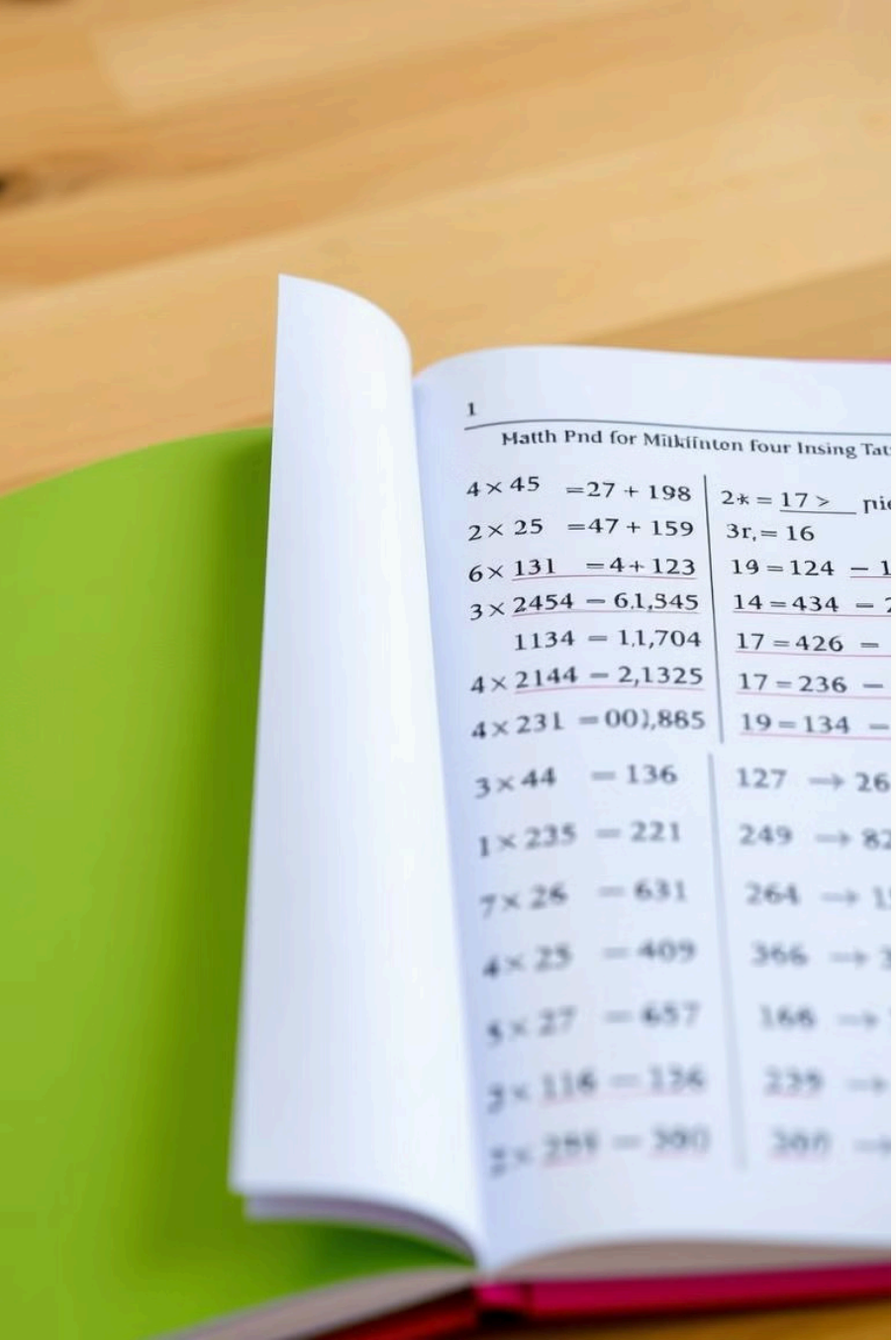
Multiplying Decimals

This module will teach you how to multiply decimals up to 2 decimal places by 1 to 2-digit whole numbers. You will learn how to multiply decimals like whole numbers and then count the number of decimal places in the factors.



Multiplying Decimals

1 **Multiply Like Whole Numbers**

Ignore the decimal points and multiply as you would with whole numbers.

2 **Count Decimal Places**

The product will have the same number of decimal places as the sum of the decimal places in the factors.

3 **Place Decimal Point**

Count from right to left and place the decimal point in the product.

Example: Finding the Perimeter

Step 1: Multiply

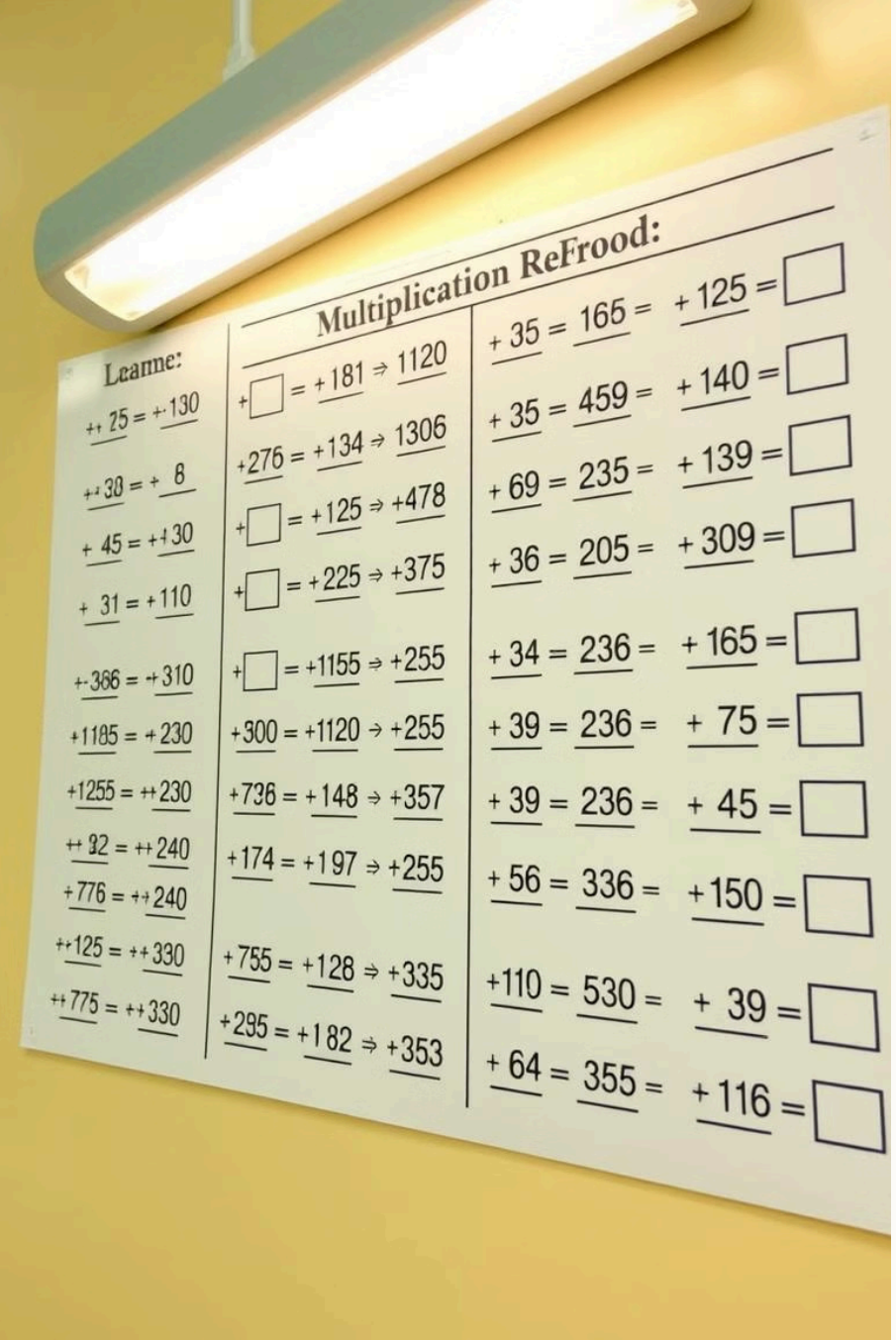
Multiply 3.2 by 4 as you would with whole numbers.

Step 2: Count Decimal Places

There is one decimal place in 3.2 and zero decimal places in 4.

Step 3: Place Decimal Point

The product will have one decimal place. Count from right to left and place the decimal point.



Practice Activity

What is 2.54 multiplied by 12?	30.48
What is the product of 5 and 7.98?	39.9
What is 21.4 times 7?	149.8
What is the product of 3 and 8.92?	26.76
What is 1.11 multiplied by 11?	12.21

Independent Activity 2

1

Carina's Cupcakes

2 cupcakes at Php12.43 each.

2

Comic Book Sales

13 comic books sold at Php10.45 each.

3

Jayson's Jogging

1.45 miles per day for 5 days.

4

Luisa's Berry Juice

6 packs of berry juice at Php23.34 each.

5

Joel's Yarn

4 pieces of yarn measuring 9.43 m each.

6

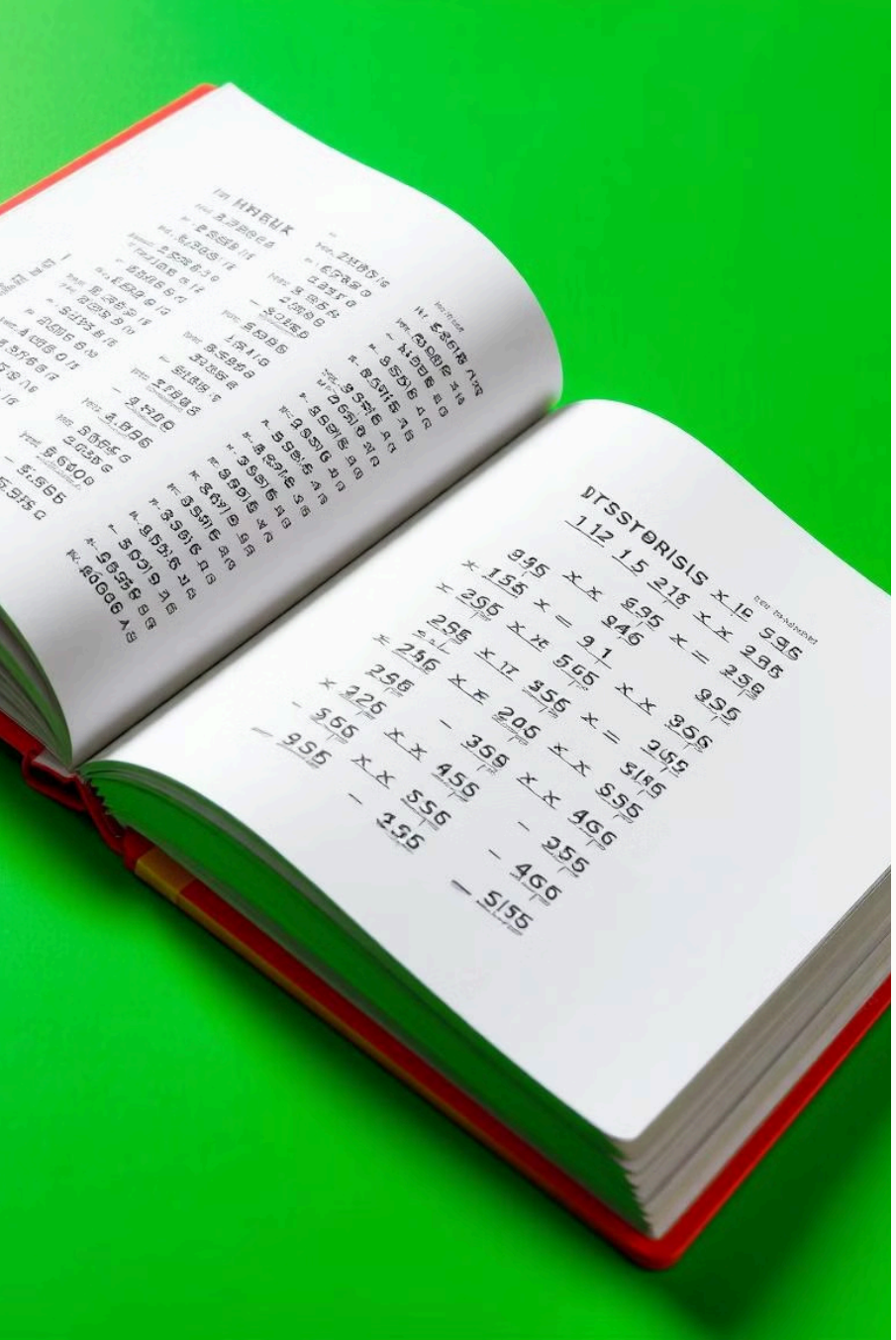
Grace's Hairclips

4 pairs of hairclips at Php13.65 each.

7

Mother's Cakes

3 cakes needing 1.75 kg of flour each.



Additional Activities

Missing Numbers

If 637 x 18 = 10276, what is the product of 63.7 x 18?

Missing Numbers

If 361 x 6 = 1141, what is 3.61 x 6 equal to?

What's More

1

Carina's Cupcakes

Carina buys 2 cupcakes at Php12.43 each.

2

Comic Book Sales

Thirteen out of 15 comic books were sold at Php10.45 each.

3

Jayson's Jogging

Jayson jogs 1.45 miles a day. In a week, he jogged for 5 days.

4

Luisa's Berry Juice

Luisa bought 6 packs of berry juice. Each pack of berry juice cost Php23.34.

5

Joel's Yarn

Joel has 4 pieces of yarn which measures 9.43 m each.

6

Grace's Hairclips

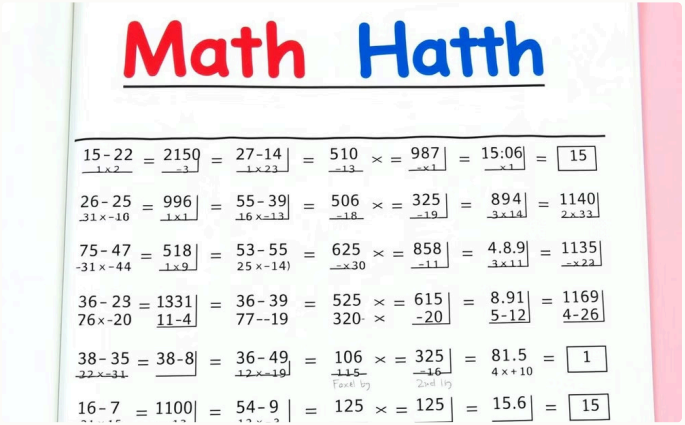
Grace wants to buy 4 pairs of hairclip at Php13.65 each.

7

Mother's Cakes

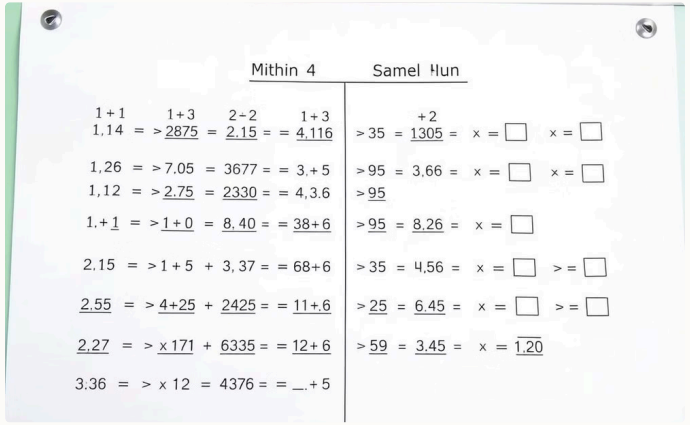
Mother baked 3 round chocolate moist cake. Each cake needs 1.75 kg of flour.

What I Can Do



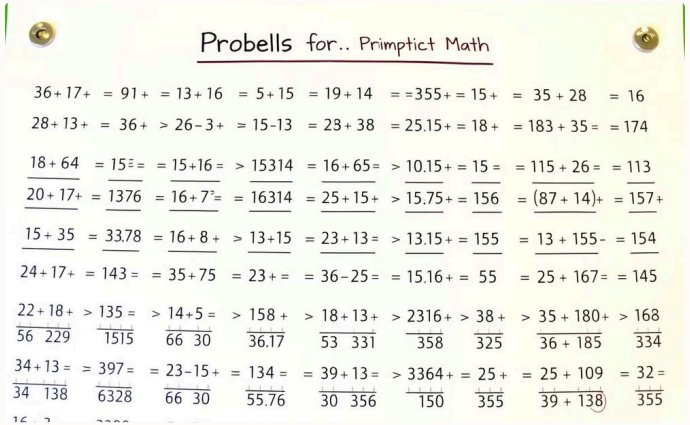
Problem 1

0.16 x 4 = 0.64



Problem 2

3.21 x 8 = 25.68



Problem 3

61.75 x 6 = 370.50