Determine the placement of the decimal in each product.

$5.809 \times 7.8 =$ 4 5 3 1 0 2

1. Count the quantity of numbers to the right of the decimal for each factor.

    5.809 has 3 numbers right of the decimal (5.809)
    7.8 has 1 number right of the decimal (7.8)

2. Add the amounts together. Your answer should have the same quantity of numbers to the right of the decimal.

    $3 + 1 = 4$
    5.089 (3) × 7.8 (1) = 45.3102 (4)

Also notice that $5 \times 7 = 35$ and $6 \times 8 = 48$, so 5.809×7.8 will be a more than 35 but less than 48.

1) $2 \times 5.26 =$ 1 0 5 2

2) $7.1 \times 2.15 =$ 1 5 2 6 5

3) $5.222 \times 5.63 =$ 2 9 3 9 9 8 6

4) $9.77 \times 5.4 =$ 5 2 7 5 8

5) $2.57 \times 9.4 =$ 2 4 1 5 8

6) $5 \times 4.9 =$ 2 4 5

No Calculators, minimum of 3

7)	63.14	8)	18.65	9)	16.92
	× 2.08		× 6.8		× 8.4

10)	80.1	11)	5.9	12)	5.6
	× 2.8		× 3.9		× 6.2

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Name:

Solve each problem. Pick a minimum of 3

1) A bakery used 4 cups of flour to make a full size cake. If they wanted to make a cake that was 0.5 the size, how many cups of flour would they need?

2) On Halloween 2 friends each received 0.1 of a pound of candy. How much candy did they receive total?

3) Janet can read 3.40 pages of a book in a minute. If she read for 3.22 minutes, how much would she have read?

4) A geologist had two rocks on a scale that weighed 3.3 kilograms together. Rock A was 0.1 of the total weight. How much did rock A weigh?

5) Janet collected 4 times as many bags of cans as her friend. If her friend collected 0.87 of a bag, how much did Janet collect?

6) Each day a carwash used 4.70 liters of soap. After 2 days, how much soap would they have used?

SHOW YOUR WORK SPACE

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____