

WS 97

Practice

Don't use base ten block, Multiply like we did in class

1. ~~Use Base Ten Blocks to multiply.~~

a)
$$\begin{array}{r} 2.3 \\ \times 2 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 1.8 \\ \times 4 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 1.23 \\ \times 5 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 2.42 \\ \times 3 \\ \hline \end{array}$$

2. The decimal point is missing in each product.

Use front-end estimation to place each decimal point.

a) $7.1 \times 5 = 355$

b) $3.12 \times 6 = 1872$

c) $15.466 \times 3 = 46398$

d) $1.408 \times 5 = 7040$

e) $2.005 \times 8 = 1604$

f) $8.25 \times 4 = 330$

Example

2 a) $7.1 \times 5 = 355$

Step 1: $7 \times 5 = 35$ (estimation)

Step 2: $7.1 \times 5 = 35.5$ (I know the decimal is correct because of my estimation)

3. Use benchmarks to estimate each product.

a) 2.4×6

b) 4.38×4

c) 1.499×6

d) 6.721×2

e) 3.983×3

f) 7.3225×5

4. Multiply.

a) 8.2×4

b) 1.02×6

c) 5.9×2

d) 6.112×3

e) 3.525×7

f) 5.354×6

5. Estimate to choose the correct product for each multiplication question.

	Question	Possible Products		
a)	2.85×3	855	85.5	8.55
b)	12.36×4	494.4	49.44	4.944
c)	148.73×5	7.4365	74.365	743.65

6. Elisa works in a hospital lab in Brandon, Manitoba.
In 1 h, she tested 7 tubes of blood.
Each tube contained 12.25 mL of blood.
How much blood did Elisa test?
How did you find out?

7. Naja saved \$14.75 each week for 8 weeks. She had just enough money to buy a family membership to the Vancouver Aquarium. About how much was the cost of the membership?

8. Tianna has saved \$9.75 each week for 7 weeks. She wants to buy a snowboard that costs \$80.45, including tax.
- Does Tianna have enough money? How do you know?
 - If your answer to part a is no, how much more money does Tianna need?



9. The decimal point in some of these products is in the wrong place. Identify the mistakes, then write each product with the decimal point in the correct place.

a) $4.01 \times 5 = 200.5$

b) $7.893 \times 3 = 23.679$

c) $89.85 \times 4 = 35.94$

d) $1.98 \times 3 = 0.594$

example

9 a) $4.01 \times 5 = 200.5$

Step 1: $4 \times 5 = 20$

Step 2: the decimal should be 20.05 not 200.5

10. a) Akuna sold three 1.375-L bottles of birch syrup to raise money for his school in Hay River.
Did Akuna sell more or less than 4 L of syrup?
How much more or less? Explain how you know.
- b) Akuna sold each bottle of syrup for \$74.79.
How much money did he raise?

11. The Townsend's big-eared bat lives in river valleys in southern British Columbia. It has a mass of 8.812 g. What is the combined mass of 6 of these tiny bats?



14. The Three Dog Bakery in Vancouver sells bags of all-natural chicken-flavoured dog food for \$7.95 each. Saima buys 3 bags.
- a) Saima gives the cashier \$25.00.
How much change should she receive?
 - b) Each bag has a mass of 2.268 kg.
Does Saima have more or less than 7 kg of dog food altogether? How do you know?



12. Write a story problem that can be solved by multiplying 4.026 by 7.
Trade problems with a classmate and solve your classmate's problem.

13. You can estimate how tall a child will be as an adult by doubling her height at 2 years of age.
Serena is 2 years old and 81.4 cm tall.
About how tall will Serena be as an adult?