

Warm Up Grade 8

Find the product

a) $2.4 \times 1.5 = 3.60$

Handwritten notes: orange arrows point to the decimal points in 2.4 and 1.5; a blue arrow points to the result 3.60 with the text "think 24 x 15".

$$\begin{array}{r} 2.4 \\ \times 1.5 \\ \hline 120 \\ + 240 \\ \hline 3.60 \end{array}$$

Handwritten notes: red arrows point to the digits 2, 4, 1, 5; a green arrow points to the decimal point in 1.5; a green circle with an 'x' is around the 0 in 240; orange arrows point to the decimal point and the final 0 in 3.60.

b) $0.4 \times 1.3 = 0.52$

Handwritten notes: yellow arrows point to the decimal points in 0.4 and 1.3; a green arrow points to the result 0.52 with the text "think 4 x 13".

$$\begin{array}{r} 0.4 \\ \times 1.3 \\ \hline .52 \end{array}$$

Handwritten notes: blue 'x' is to the left of the first number; red '1.3' is above the second number; a purple arrow points to the decimal point in 1.3; a green arrow points to the 3 in 1.3; a green arrow points to the 2 in .52; yellow arrows point to the 5 and 2 in .52.

Warm Up Grade 8

Find the product

a) 2.4×1.5

$$\begin{array}{r} \overset{\text{blue } \times}{\overset{\text{green } \cdot}{2.4}} \\ \times \quad 1.5 \\ \hline 120 \\ + 240 \\ \hline 3.60 \end{array}$$

b) 0.4×1.3

$$\begin{array}{r} \overset{\text{red } \cdot}{1.3} \\ \times \quad .4 \\ \hline 0.52 \end{array}$$

1) 12.36 x 7.2

12.36
7.2
2472
86520
88992

2) 3.25 x 0.4

3.25
x 0.4
1300

3) 1.9 x 2.37

2.37
x 1.9
2133
2370
4503

4) 14.7 x 6.2

14.7
x 6.2
294
8820
9114

5) 60.7 x 124

60.7
x 124
2428
12140
+ 60700
75268

6) 8 x 54.7

54.7
x 8
4376

7) 12.7 + 0.25

12.70
+ 0.25
12.95

8) 14.3 - 1.24

14.30
- 1.24
13.06

9) 115.69 -

115.69
+ 21.24
136.93

Quiz tomorrow

Examples

adding decimals a) $12.36 + 0.258$

subtraction decimals a) $158.3 - 15.47$

multiplying decimals a) 15.7×0.6

Know what it means to find the product , sum or difference

Ex) find the product of 3.2 and 7.4

Know how multiply integers (rules)

Ex) $(-4) \times (-7)$

b) $(-21) \times (+37)$

Quiz tomorrow

Examples

adding decimals a) $12.36 + 0.258$

$$\begin{array}{r} 12.360 \\ + 0.258 \\ \hline 12.618 \end{array}$$

subtraction decimals a) $158.3 - 15.47$

$$\begin{array}{r} 158.30 \\ - 15.47 \\ \hline 142.83 \end{array}$$

multiplying decimals a) 15.7×0.6

$$\begin{array}{r} 15.7 \\ \times 0.6 \\ \hline 9.42 \end{array}$$

Know what it means to find the product, sum or difference

Ex) find the product of 3.2 and 7.4

multiply

$$\begin{array}{r} 3.2 \\ \times 7.4 \\ \hline 128 \\ + 2240 \\ \hline 23.68 \end{array}$$

Know how to multiply integers (rules)

Same $\Rightarrow +$
(+)(+) (+)(-)
(-)(+) (-)(-)

(+)(-) = (-)
Diff

Ex) $(-4) \times (-7)$

Same
(+28)

b) $(-21) \times (+37)$

Diff
(-777)

$$\begin{array}{r} 21 \\ \times 37 \\ \hline 147 \\ + 630 \\ \hline 777 \end{array}$$

	20	1
30	30×20 600	30×1 30
7	7×20 140	7×1 7

$$\begin{array}{r} 600 \\ 140 \\ 30 \\ + 7 \\ \hline 777 \end{array}$$

Class/Homework

Quiz Tomorrow

Worksheet- Next page

Then Gr 8 Math Review on Decimals WS 1

The Gr 8 Math Review on Decimals WS
Print if needed

Worksheet Multiplying Decimals

Part A) Find the product for each

1) 0.44×0.15

2) 0.27×0.63

3) 0.07×0.09

4) 0.05×0.08

5) 0.14×0.02

6) 0.76×0.21

Part B)

7) Which of the following is the product of 0.95 and 0.22?

a) 0.209

b) 0.0029

c) 0.0209

8) Which of the following is the product of 0.03 and 0.39?

a) 0.1017

b) 0.0117

c) 0.1107

Part C) Find the product of each.

10) 3.93×8.1

11) 51.2×0.04

12) 2.5×0.03

13) 61.8×0.5

14) 48.76×1.3

13) 0.04×0.05

14) 0.73×3.9