

Key Answer

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الوطنية الأرثوذكسية
الشميساني



The National
Orthodox School
Shmaisani

Worksheet (3) | Lower Secondary Stage (6-8)

Name:

Subject: math

Date: / /

Class: Grade 6

Objectives:

- Multiply decimals by whole numbers and by decimals.

Exercise (1) : Evaluate the following :

1) 8×0.6

$8 \times 0.6 = 4.8$

Handwritten work: A vertical line is drawn under the 0 in 0.6, with a circled 1 below it. A horizontal line is drawn under the 8 in 8. An arrow points from the 8 to the 4 in the answer 4.8. Another arrow points from the 6 to the 8 in the answer 4.8.

2) $0.921 \times 3 = 2.763$

Handwritten work: $0.921 \times 3 = 2.763$

Handwritten work: A vertical line is drawn under the 1 in 0.921, with a circled 1 below it. A horizontal line is drawn under the 3 in 3. An arrow points from the 3 to the 2 in the answer 2.763. Another arrow points from the 2 to the 6 in the answer 2.763. A third arrow points from the 1 to the 3 in the answer 2.763.

3) $7.6 \times 0.25 = 1.9$

Handwritten work: $7.6 \times 0.25 = 1.9$

Handwritten work: A vertical line is drawn under the 6 in 7.6, with a circled 1 below it. A horizontal line is drawn under the 25 in 0.25. An arrow points from the 25 to the 19 in the answer 1.9. Another arrow points from the 6 to the 0 in the answer 1.9. A third arrow points from the 7 to the 1 in the answer 1.9.

Handwritten work: $7.6 \times 0.25 = 1.9$

Handwritten work: A vertical line is drawn under the 6 in 7.6, with a circled 1 below it. A horizontal line is drawn under the 25 in 0.25. An arrow points from the 25 to the 19 in the answer 1.9. Another arrow points from the 6 to the 0 in the answer 1.9. A third arrow points from the 7 to the 1 in the answer 1.9.

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معتمدة من

4) $0.\underline{00}7 \times 0.\underline{9} = \boxed{0.\underline{00}63}$

$\textcircled{3} + \textcircled{1} = 4$

5) $0.\underline{6} \times 2.\underline{05} = \boxed{1.\underline{23}0} = \boxed{1.23}$

$\textcircled{1} + \textcircled{2} = 3$

$$\begin{array}{r} 205 \\ \times 6 \\ \hline 1230 \end{array}$$

6) $0.\underline{21} \times 46.\underline{5} = \boxed{9.\underline{76}5}$

$2 + 1 = 3$

$$\begin{array}{r} 465 \\ \times 21 \\ \hline 9300 \\ + 465 \\ \hline 9765 \end{array}$$

7) $1.\underline{96} \times 0.\underline{003} = \boxed{0.\underline{00}588}$

$2 + 3 = 5$

$$\begin{array}{r} 196 \\ \times 3 \\ \hline 588 \end{array}$$

8) $43.5 \times 0.075 =$ 3.2625

$\downarrow \quad \downarrow$
 ① + ③ = 4

~~①~~ ~~②~~ ③
 43.5×0.075
~~75~~
 2175
 $30450 +$

 32625

9) $4.25 \times 6 =$ 25.50 $=$ 25.5

\downarrow
 ②

① ③
 425×6

 2550

10) $2 \times 70.89 =$ 141.78

$\downarrow \quad \downarrow$
 0 + ② = 2

① ①
 7089×2

 14178

11) $16.03 \times 5 =$ 80.15

$\downarrow \quad \downarrow$
 0 + ② = 2

③ ①
 1603×5

 8015

12) $0.3 \times 0.7 =$ 0.21

$\downarrow \quad \downarrow$
 1 + 1 = ②

13) $3 \times 0.7 =$ 2.1

$\downarrow \quad \downarrow$
 0 + 1 = 1

14) $0.03 \times 0.007 =$ 0.00021

$\downarrow \quad \downarrow$
 2 + 3 = 5

Exercise (2): choose the correct answer :

1) $1.2 \times 4 = 4.8$

a) 48

b) 4.8

c) 0.48

d) 4.08

$$\begin{array}{r} 12 \times \\ \underline{4} \\ 48 \end{array}$$

2) $0.32 \times 2.4 = 0.768$

a) 7.68

b) 1.20

c) 0.768

d) 0.120

$$\begin{array}{r} 32 \\ \times 24 \\ \hline 128 \\ 640 \\ \hline 768 \end{array}$$

3) $0.004 \times 5 = 0.020 = 0.02$

a) 20

b) 0.002

c) 0.02

d) 0.200