Multiply Decimals

Find the product.

1.
$$
\begin{array}{r}
5.8 \\
\times\, 2.4 \\
\hline
13.92
\end{array}
\qquad
\begin{array}{r}
58 \\
\times\, 24 \\
\hline
232 \\
+\, 1{,}160 \\
\hline
1{,}392
\end{array}
$$

2.
$$
\begin{array}{r}
7.3 \\
\times\, 9.6 \\
\hline
\end{array}
$$

3.
$$
\begin{array}{r}
46.3 \\
\times\, 0.8 \\
\hline
\end{array}
$$

4.
$$
\begin{array}{r}
29.5 \\
\times\, 1.3 \\
\hline
\end{array}
$$

5.
$$
\begin{array}{r}
3.76 \\
\times\, 4.8 \\
\hline
\end{array}
$$

6.
$$
\begin{array}{r}
9.07 \\
\times\, 6.5 \\
\hline
\end{array}
$$

7. 0.42×75.3

8. 5.6×61.84

9. 7.5×18.74

10. 0.9×53.8

Problem Solving REAL WORLD

11. Aretha runs a marathon in 3.25 hours. Neal takes 1.6 times as long to run the same marathon. How many hours does it take Neal to run the marathon?

_____

12. Tiffany catches a fish that weighs 12.3 pounds. Frank catches a fish that weighs 2.5 times as much as Tiffany's fish. How many pounds does Frank's fish weigh?

_____

Lesson Check (CC.5.NBT.2, CC.5.NBT.7)

1. Sue buys material to make a costume. She buys 1.75 yards of red material. She buys 1.2 times as many yards of blue material. How many yards of blue material does Sue buy?

   (A) 2.1 yards

   (B) 2.95 yards

   (C) 5.25 yards

   (D) 21 yards

2. Last week Juan worked 20.5 hours. This week he works 1.5 times as many hours as he did last week. How many hours does Juan work this week?

   (A) 12.3 hours

   (B) 22 hours

   (C) 30.75 hours

   (D) 37.5 hours

Spiral Review (CC.5.NBT.2, CC.5.NBT.3a, CC.5.NBT.3b, CC.5.NBT.7)

3. The expression below shows a number in expanded form. What is the standard form of the number? (Lesson 3.2)

   $$2 \times 10 + 3 \times \frac{1}{10} + 9 \times \frac{1}{100} + 7 \times \frac{1}{1,000}$$

   (A) 2,397

   (B) 20.397

   (C) 2.397

   (D) 2.0397

4. Kelly buys a sweater for $16.79 and a pair of pants for $28.49. She pays with a $50 bill. How much change should Kelly get back? (Lesson 3.11)

   (A) $4.72

   (B) $5.48

   (C) $5.72

   (D) $45.28

5. Elvira is using a pattern to multiply $10^3 \times 37.2$.

   $10^0 \times 37.2 = 37.2$
   $10^1 \times 37.2 = 372$
   $10^2 \times 37.2 = $ _____
   $10^3 \times 37.2 = $ _____

   What is the product $10^3 \times 37.2$? (Lesson 4.1)

   (A) 0.0372

   (B) 0.372

   (C) 3,720

   (D) 37,200

6. Which digit should go in the box to make the following statement true? (Lesson 3.3)

   $$63.749 < 63.\boxed{}2$$

   (A) 3

   (B) 6

   (C) 7

   (D) 8