

## Chapter 02: Multiplication and Division of Decimals

1. Multiply the decimals using a calculator.

$$4.5 \times 1.7 = \underline{\hspace{2cm}}$$

**ANSWER:** 7.65  
**POINTS:** 1  
**DIFFICULTY:** Understanding  
**REFERENCES:** Multiplication of Decimals  
**QUESTION TYPE:** Subjective Short Answer  
**HAS VARIABLES:** False  
**STUDENT ENTRY MODE:** Basic  
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2. Multiply the decimals using a calculator.

$$0.1 \times 1.45 = \underline{\hspace{2cm}}$$

**ANSWER:** 0.145  
**POINTS:** 1  
**DIFFICULTY:** Understanding  
**REFERENCES:** Multiplication of Decimals  
**QUESTION TYPE:** Subjective Short Answer  
**HAS VARIABLES:** False  
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3. Multiply the decimals using a calculator.

$$7.6 \times 2.4 = \underline{\hspace{2cm}}$$

**ANSWER:** 18.24  
**POINTS:** 1  
**DIFFICULTY:** Understanding  
**REFERENCES:** Multiplication of Decimals  
**QUESTION TYPE:** Subjective Short Answer  
**HAS VARIABLES:** False  
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4. Multiply the decimals using a calculator.

$$2.22 \times 6.5 = \underline{\hspace{2cm}}$$

**ANSWER:** 14.43  
**POINTS:** 1

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*REFERENCES:* Multiplication of Decimals  
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5. Multiply the decimals using a calculator.

$$0.3 \times 4.5 = \underline{\hspace{2cm}}$$

*ANSWER:* 1.35  
*POINTS:* 1  
*DIFFICULTY:* Understanding  
*REFERENCES:* Multiplication of Decimals  
*QUESTION TYPE:* Subjective Short Answer  
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6. Multiply the decimals using a calculator.

$$0.3 \times 0.03 = \underline{\hspace{2cm}}$$

*ANSWER:* 0.009  
*POINTS:* 1  
*DIFFICULTY:* Understanding  
*REFERENCES:* Multiplication of Decimals  
*QUESTION TYPE:* Subjective Short Answer  
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7. Multiply the decimals using a calculator.

$$8.3 \times 1.1 = \underline{\hspace{2cm}}$$

*ANSWER:* 9.13  
*POINTS:* 1  
*DIFFICULTY:* Understanding  
*REFERENCES:* Multiplication of Decimals  
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8. Multiply the decimals using a calculator.

$3.63 \times 2.1 =$  \_\_\_\_\_

*ANSWER:* 7.623

*POINTS:* 1

*DIFFICULTY:* Understanding

*REFERENCES:* Multiplication of Decimals

*QUESTION TYPE:* Subjective Short Answer

*HAS VARIABLES:* False

*STUDENT ENTRY MODE:* Basic

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9. Multiply the decimals using a calculator.

$9.2 \times 0.7 =$  \_\_\_\_\_

*ANSWER:* 6.44

*POINTS:* 1

*DIFFICULTY:* Understanding

*REFERENCES:* Multiplication of Decimals

*QUESTION TYPE:* Subjective Short Answer

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10. Multiply the decimals using a calculator.

$5.34 \times 0.4 =$  \_\_\_\_\_

*ANSWER:* 2.136

*POINTS:* 1

*DIFFICULTY:* Understanding

*REFERENCES:* Multiplication of Decimals

*QUESTION TYPE:* Subjective Short Answer

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11. Multiply the decimals.

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$2.6 \times 0.04 = \underline{\hspace{2cm}}$

ANSWER: 0.104

$$\begin{array}{r} 2.6 \\ \times 0.04 \\ \hline 0.104 \end{array}$$

*POINTS:* 1  
*DIFFICULTY:* Understanding  
*REFERENCES:* Multiplication of Decimals  
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12. Multiply the decimals.

$0.3 \times 3.6 = \underline{\hspace{2cm}}$

ANSWER: 1.08

$$\begin{array}{r} 0.3 \\ \times 3.6 \\ \hline 1.08 \end{array}$$

*POINTS:* 1  
*DIFFICULTY:* Understanding  
*REFERENCES:* Multiplication of Decimals  
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13. Multiply the decimals.

$5.12 \times 0.02 = \underline{\hspace{2cm}}$

ANSWER: 0.1024

$$\begin{array}{r} 5.12 \\ \times 0.02 \\ \hline 0.1024 \end{array}$$

*POINTS:* 1  
*DIFFICULTY:* Understanding  
*REFERENCES:* Multiplication of Decimals

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14. Eliminate the decimal points from the decimal fractions.

$$\frac{15.3}{4} = \underline{\hspace{2cm}}$$

ANSWER: 153/40

$$\frac{15.3}{4} = \frac{153}{40}$$

*POINTS:* 1  
*DIFFICULTY:* Understanding  
*REFERENCES:* Elimination of Decimal Points  
*QUESTION TYPE:* Subjective Short Answer  
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15. Eliminate the decimal points from the decimal fractions.

$$\frac{0.3}{0.02} = \underline{\hspace{2cm}}$$

ANSWER: 30/2

$$\frac{0.3}{0.02} = \frac{30}{2}$$

*POINTS:* 1  
*DIFFICULTY:* Understanding  
*REFERENCES:* Elimination of Decimal Points  
*QUESTION TYPE:* Subjective Short Answer  
*HAS VARIABLES:* False  
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16. Eliminate the decimal points from the decimal fractions.

$$\frac{4.27}{0.5} = \underline{\hspace{2cm}}$$

ANSWER: 427/50

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$$\frac{4.27}{0.5} = \frac{427}{50}$$

*POINTS:* 1  
*DIFFICULTY:* Understanding  
*REFERENCES:* Elimination of Decimals Points  
*QUESTION TYPE:* Subjective Short Answer  
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17. Reduce the fraction to the lowest terms.

$$\frac{20}{6} = \underline{\hspace{2cm}}$$

*ANSWER:* 10/3

The greatest common denominator is 2.

$$\frac{20 \div 2}{6 \div 2} = \frac{10}{3}$$

*POINTS:* 1  
*DIFFICULTY:* Understanding  
*REFERENCES:* Reduction of Fractions  
*QUESTION TYPE:* Subjective Short Answer  
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18. Reduce the fraction to the lowest terms.

$$\frac{140}{15} = \underline{\hspace{2cm}}$$

*ANSWER:* 28/3

The greatest common denominator is 5.

$$\frac{140 \div 5}{15 \div 5} = \frac{28}{3}$$

*POINTS:* 1  
*DIFFICULTY:* Understanding  
*REFERENCES:* Reduction of Fractions  
*QUESTION TYPE:* Subjective Short Answer

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19. Reduce the fraction to the lowest terms.

$$\frac{82}{16} = \underline{\hspace{2cm}}$$

ANSWER: 41/8

The greatest common denominator is 2.

$$\frac{82 \div 2}{16 \div 2} = \frac{41}{8}$$

*POINTS:* 1  
*DIFFICULTY:* Understanding  
*REFERENCES:* Reduction of Fractions  
*QUESTION TYPE:* Subjective Short Answer  
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20. Divide the fraction and express the answer to the nearest tenth.

$$\frac{3.3}{0.6} = \underline{\hspace{2cm}}$$

ANSWER: 5.5

$$\frac{3.3}{0.6} = 5.5$$

*POINTS:* 1  
*DIFFICULTY:* Understanding  
*REFERENCES:* Division of Decimal Fractions; Expressing to the Nearest Tenth  
*QUESTION TYPE:* Subjective Short Answer  
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21. Divide the fraction and express the answer to the nearest tenth.

$$\frac{1.6}{0.6} = \underline{\hspace{2cm}}$$

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ANSWER: 2.7

$$\frac{1.6}{0.6} = 2.66 = 2.7$$

POINTS: 1

DIFFICULTY: Understanding

REFERENCES: Division of Decimal Fractions; Expressing to the Nearest Tenth

QUESTION TYPE: Subjective Short Answer

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22. Divide the fraction and express the answer to the nearest tenth.

$$\frac{4}{1.7} = \underline{\hspace{2cm}}$$

ANSWER: 2.4

$$\frac{4}{1.7} = 2.35 = 2.4$$

POINTS: 1

DIFFICULTY: Understanding

REFERENCES: Division of Decimal Fractions; Expressing to the Nearest Tenth

QUESTION TYPE: Subjective Short Answer

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23. Divide the fraction and express the answer to the nearest hundredth.

$$\frac{300}{1600} = \underline{\hspace{2cm}}$$

ANSWER: 0.19

$$\frac{300}{1600} = 0.187 = 0.19$$

POINTS: 1

DIFFICULTY: Understanding

REFERENCES: Division of Decimal Fractions; Expressing to the Nearest Hundredth

QUESTION TYPE: Subjective Short Answer

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24. Divide the fraction and express the answer to the nearest hundredth.

$$\frac{5}{3.1} = \underline{\hspace{2cm}}$$

*ANSWER:* 1.61

$$\frac{5}{3.1} = 1.612 = 1.61$$

*POINTS:* 1*DIFFICULTY:* Understanding*REFERENCES:* Division of Decimal Fractions; Expressing to the Nearest Hundredth*QUESTION TYPE:* Subjective Short Answer*HAS VARIABLES:* False*STUDENT ENTRY MODE:* Basic*DATE CREATED:* 11/1/2013 3:00 PM*DATE MODIFIED:* 11/1/2013 3:00 PM

25. Divide the fraction and express the answer to the nearest hundredth.

$$\frac{750,000}{800,000} = \underline{\hspace{2cm}}$$

*ANSWER:* 0.94

$$\frac{750,000}{800,000} = 0.937 = 0.94$$

*POINTS:* 1*DIFFICULTY:* Understanding*REFERENCES:* Division of Decimal Fractions; Expressing to the Nearest Hundredth*QUESTION TYPE:* Subjective Short Answer*HAS VARIABLES:* False*STUDENT ENTRY MODE:* Basic*DATE CREATED:* 11/1/2013 3:00 PM*DATE MODIFIED:* 11/1/2013 3:00 PM