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Class _____

Date _____

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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

2. Multiply the decimals using a calculator.

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

ANSWER:

0.145

3. Multiply the decimals using a calculator.

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

ANSWER:

18.24

4. Multiply the decimals using a calculator.

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

ANSWER:

14.43

5. Multiply the decimals using a calculator.

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

ANSWER:

1.35

6. Multiply the decimals using a calculator.

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

ANSWER:

0.009

7. Multiply the decimals using a calculator.

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

ANSWER:

9.13

8. Multiply the decimals using a calculator.

$$3.63 \times 2.1 = \underline{\hspace{2cm}}$$

ANSWER:

7.623

9. Multiply the decimals using a calculator.

$$9.2 \times 0.7 = \underline{\hspace{2cm}}$$

ANSWER:

6.44

10. Multiply the decimals using a calculator.

$$5.34 \times 0.4 = \underline{\hspace{2cm}}$$

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ANSWER: 2.136

11. Multiply the decimals.

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

ANSWER:

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

12. Multiply the decimals.

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

ANSWER:

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

13. Multiply the decimals.

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

ANSWER:

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

14. Eliminate the decimal points from the decimal fractions.

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

ANSWER: 153/40

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

15. Eliminate the decimal points from the decimal fractions.

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

ANSWER: 30/2

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

16. Eliminate the decimal points from the decimal fractions.

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

ANSWER: $427/50$

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

17. Reduce the fraction to the lowest terms.

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

ANSWER: $10/3$

The greatest common denominator is 2.

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

18. Reduce the fraction to the lowest terms.

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

ANSWER: $28/3$

The greatest common denominator is 5.

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

19. Reduce the fraction to the lowest terms.

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

ANSWER: $41/8$

The greatest common denominator is 2.

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

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

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

ANSWER:

5.5

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

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

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

ANSWER:

2.7

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

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

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

ANSWER:

2.4

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

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

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

ANSWER:

0.19

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

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

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

ANSWER:

1.61

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

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

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

ANSWER: _____

0.94

$$\frac{750,000}{800,000} = 0.9375 \approx 0.94$$