

Chapter 01: Relative Value, Addition and Subtraction of Decimals

1. Choose the entry with the greatest value.

- a. 3.75
- b. 3.07
- c. 3.77
- d. 3.57

ANSWER: c

2. Choose the entry with the greatest value.

- a. 0.11
- b. 0.01
- c. 0.1
- d. 0.011

ANSWER: a

3. Choose the entry with the greatest value.

- a. 16.7
- b. 1.67
- c. 0.167
- d. 1.76

ANSWER: a

4. Choose the entry with the greatest value.

- a. 7.2
- b. 7.36
- c. 7.02
- d. 7.306

ANSWER: b

5. Choose the entry with the greatest value.

- a. 13.1
- b. 13.01
- c. 1.31
- d. 3.13

ANSWER: a

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6. Determine how many tablets will be needed to give the following dose:

Tablets are labeled 0.2 mg. You must give 0.4 mg.

ANSWER: 2 tabs
2

$$0.2 \text{ mg} + 0.2 \text{ mg} = 0.4 \text{ mg}$$

Therefore, 2 tabs are needed.

7. Determine how many tablets will be needed to give the following dose:

Tablets are labeled 1.5 mg. You must give 0.75 mg.

ANSWER: 1/2 tab
0.5
1/2

Because 1.5 mg is greater than 0.75 mg, subtract:
 $1.5 \text{ mg} - 0.75 \text{ mg} = 0.75 \text{ mg}$
1/2 of 1.5 mg is 0.75 mg, so give 1/2 tab.

8. Determine how many tablets will be needed to give the following dose:

Give 5 mg. Tablets are labeled 2.5 mg.

ANSWER: 2 tabs
2

$$2.5 \text{ mg} + 2.5 \text{ mg} = 5 \text{ mg}$$

Therefore, give 2 tabs.

9. Determine how many tablets are needed to give the following dose:

A dosage of 3 mg is ordered. Tablets are labeled 1.5 mg.

ANSWER: 2 tabs
2

$$1.5 \text{ mg} + 1.5 \text{ mg} = 3 \text{ mg}$$

Therefore, 2 tabs are needed.

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10. Determine how many tablets will be needed to give the following dose:

Tablets are labeled 0.1 mg. You must give 0.2 mg.

ANSWER: 2 tabs
2

$0.1 \text{ mg} + 0.1 \text{ mg} = 0.2 \text{ mg}$
Therefore, 2 tabs are needed.

11. Determine how many tablets will be needed to give the following dose:

Tablets are labeled 0.25 mg. You must give 0.125 mg.

ANSWER: 1/2 tab
1/2
0.5

Because 0.25 mg is greater than 0.125 mg, subtract:
 $0.25 \text{ mg} - 0.125 \text{ mg} = 0.125 \text{ mg}$
0.125 mg is 1/2 of 0.25 mg; therefore, give 1/2 tab.

12. Determine how many tablets will be needed to give the following dose:

Tablets are labeled 0.4 mg. You must give 0.8 mg.

ANSWER: 2 tabs
2

$0.4 \text{ mg} + 0.4 \text{ mg} = 0.8 \text{ mg}$
Therefore, 2 tabs are needed.

13. Determine how many tablets will be needed to give the following dose:

Prepare a dose of 2.5 mg using tablets with a strength of 5 mg.

ANSWER: 1/2 tab
1/2
0.5

Because 5 mg is greater than 2.5 mg, subtract:
 $5 \text{ mg} - 2.5 \text{ mg} = 2.5 \text{ mg}$
2.5 mg is 1/2 of 5 mg, so give 1/2 tab.

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14. Determine how many tablets will be needed to give the following dose:

A dose of 2.5 mg is ordered. Tablets labeled 1.25 mg are available.

ANSWER: 2 tabs
2

$1.25 \text{ mg} + 1.25 \text{ mg} = 2.5 \text{ mg}$
Therefore, 2 tabs are needed.

15. Determine how many tablets will be needed to give the following dose:

Tablets are labeled 0.6 mg. You must give 0.3 mg.

ANSWER: 1/2 tab
1/2
0.5

Because 0.6 mg is greater than 0.3 mg, subtract:
 $0.6 \text{ mg} - 0.3 \text{ mg} = 0.3 \text{ mg}$
0.3 mg is 1/2 of 0.6 mg, so give 1/2 tab.

16. Add the decimals manually:

$1.03 + 0.01 = \underline{\hspace{2cm}}$

ANSWER: 1.04

$$\begin{array}{r} 1.03 \\ + 0.01 \\ \hline 1.04 \end{array}$$

17. Add the decimals manually:

$0.25 + 0.51 = \underline{\hspace{2cm}}$

ANSWER: 0.76

$$\begin{array}{r} 0.25 \\ + 0.51 \\ \hline 0.76 \end{array}$$

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18. Add the decimals manually:

$$7.66 + 3.44 = \underline{\hspace{2cm}}$$

ANSWER: 11.10

$$\begin{array}{r} 7.66 \\ + 3.44 \\ \hline 11.10 \end{array}$$

19. Add the decimals manually:

$$23.01 + 17.46 = \underline{\hspace{2cm}}$$

ANSWER: 40.47

$$\begin{array}{r} 23.01 \\ + 17.46 \\ \hline 40.47 \end{array}$$

20. Add the decimals manually:

$$5.2 + 4.69 = \underline{\hspace{2cm}}$$

ANSWER: 9.89

$$\begin{array}{r} 5.20 \\ + 4.69 \\ \hline 9.89 \end{array}$$

21. Subtract the decimals manually:

$$6.41 - 5.09 = \underline{\hspace{2cm}}$$

ANSWER: 1.32

$$\begin{array}{r} 6.41 \\ - 5.09 \\ \hline 1.32 \end{array}$$

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22. Subtract the decimals manually:

$$1.05 - 0.72 = \underline{\hspace{2cm}}$$

ANSWER: 0.33

$$\begin{array}{r} 1.05 \\ - 0.72 \\ \hline 0.33 \end{array}$$

23. Subtract the decimals manually:

$$1.6 - 0.03 = \underline{\hspace{2cm}}$$

ANSWER: 1.57

$$\begin{array}{r} 1.60 \\ - 0.03 \\ \hline 1.57 \end{array}$$

24. Subtract the decimals manually:

$$0.7 - 0.35 = \underline{\hspace{2cm}}$$

ANSWER: 0.35

$$\begin{array}{r} 0.70 \\ - 0.35 \\ \hline 0.35 \end{array}$$

25. Subtract the decimals manually:

$$4.75 - 2.19 = \underline{\hspace{2cm}}$$

ANSWER: 2.56

$$\begin{array}{r} 4.75 \\ - 2.19 \\ \hline 2.56 \end{array}$$