

↔ Ch 3. Subtraction ↔

Find the difference:

$$\begin{array}{r} 1. \quad \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\ \quad 8 \quad 8 \quad 4 \quad 6 \\ - \quad 3 \quad 5 \quad 0 \quad 4 \\ \hline \quad 5 \quad 3 \quad 4 \quad 2 \end{array}$$

$$\begin{array}{r} 2. \quad \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\ \quad 7 \quad 7 \quad 6 \quad 7 \\ - \quad 3 \quad 2 \quad 3 \quad 1 \\ \hline \quad 4 \quad 5 \quad 3 \quad 6 \end{array}$$

$$\begin{array}{r} 3. \quad \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\ \quad 6 \quad 5 \quad 9 \quad 4 \\ - \quad 3 \quad 5 \quad 7 \quad 0 \\ \hline \quad 3 \quad 0 \quad 2 \quad 4 \end{array}$$

$$\begin{array}{r} 4. \quad \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\ \quad 5 \quad 4 \quad 6 \quad 8 \\ - \quad 2 \quad 3 \quad 4 \quad 2 \\ \hline \quad 3 \quad 1 \quad 2 \quad 6 \end{array}$$

$$\begin{array}{r} 5. \quad \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\ \quad 8 \quad 5 \quad 8 \quad 6 \\ - \quad 6 \quad 2 \quad 1 \quad 4 \\ \hline \quad 2 \quad 3 \quad 7 \quad 2 \end{array}$$

$$\begin{array}{r} 6. \quad \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\ \quad 9 \quad 8 \quad 6 \quad 9 \\ - \quad 7 \quad 2 \quad 3 \quad 4 \\ \hline \quad 2 \quad 6 \quad 3 \quad 5 \end{array}$$

$$\begin{array}{r} 7. \quad \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\ \quad 9 \quad 9 \quad 7 \quad 8 \\ - \quad 5 \quad 2 \quad 4 \quad 2 \\ \hline \quad 4 \quad 7 \quad 3 \quad 6 \end{array}$$

$$\begin{array}{r} 8. \quad \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\ \quad 7 \quad 7 \quad 6 \quad 7 \\ - \quad 5 \quad 1 \quad 2 \quad 2 \\ \hline \quad 2 \quad 6 \quad 4 \quad 5 \end{array}$$

$$\begin{array}{r} 9. \quad \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\ \quad 8 \quad 4 \quad 9 \quad 8 \\ - \quad 3 \quad 0 \quad 3 \quad 4 \\ \hline \quad 5 \quad 4 \quad 6 \quad 4 \end{array}$$

$$\begin{array}{r} 10. \quad \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\ \quad 6 \quad 5 \quad 8 \quad 4 \\ - \quad 4 \quad 2 \quad 5 \quad 3 \\ \hline \quad 2 \quad 3 \quad 3 \quad 1 \end{array}$$

$$\begin{array}{r} 11. \quad \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\ \quad 5 \quad 6 \quad 2 \quad 5 \\ - \quad 3 \quad 4 \quad 1 \quad 5 \\ \hline \quad 2 \quad 2 \quad 1 \quad 0 \end{array}$$

$$\begin{array}{r} 12. \quad \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\ \quad 9 \quad 9 \quad 5 \quad 3 \\ - \quad 6 \quad 3 \quad 2 \quad 1 \\ \hline \quad 3 \quad 6 \quad 3 \quad 2 \end{array}$$

$$\begin{array}{r}
 13. \quad \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\
 9 \quad 2 \quad 8 \quad 9 \\
 - 5 \quad 1 \quad 0 \quad 6 \\
 \hline
 4 \quad 1 \quad 8 \quad 3
 \end{array}$$

$$\begin{array}{r}
 14. \quad \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\
 6 \quad 2 \quad 7 \quad 3 \\
 - 3 \quad 1 \quad 4 \quad 2 \\
 \hline
 3 \quad 1 \quad 3 \quad 1
 \end{array}$$

$$\begin{array}{r}
 15. \quad \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\
 7 \quad 6 \quad 8 \quad 7 \\
 - 2 \quad 4 \quad 5 \quad 4 \\
 \hline
 5 \quad 2 \quad 3 \quad 3
 \end{array}$$

↔ Exercise 3.2 ↔

Subtract the following numbers:-

$$\begin{array}{r}
 1. \quad \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\
 6 \quad 2 \quad 3 \quad 9 \\
 - 2 \quad 5 \quad 7 \quad 3 \\
 \hline
 3 \quad 6 \quad 6 \quad 6
 \end{array}$$

$$\begin{array}{r}
 2. \quad \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\
 4 \quad 3 \quad 5 \quad 7 \\
 - 2 \quad 3 \quad 9 \quad 4 \\
 \hline
 1 \quad 9 \quad 6 \quad 3
 \end{array}$$

$$\begin{array}{r}
 3. \quad \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\
 6 \quad 0 \quad 3 \quad 4 \\
 - 3 \quad 5 \quad 9 \quad 0 \\
 \hline
 2 \quad 4 \quad 4 \quad 4
 \end{array}$$

$$\begin{array}{r}
 4. \quad \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\
 5 \quad 1 \quad 9 \quad 8 \\
 - 2 \quad 5 \quad 7 \quad 6 \\
 \hline
 2 \quad 6 \quad 2 \quad 2
 \end{array}$$

$$\begin{array}{r}
 5. \quad \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\
 \quad \quad 14 \\
 7 \quad 5 \quad 8 \quad 5 \\
 - 4 \quad 9 \quad 9 \quad 5 \\
 \hline
 2 \quad 5 \quad 9 \quad 0
 \end{array}$$

$$\begin{array}{r}
 6. \quad \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\
 7 \quad 1 \quad 5 \quad 8 \\
 - 2 \quad 4 \quad 7 \quad 3 \\
 \hline
 4 \quad 6 \quad 8 \quad 5
 \end{array}$$

$$\begin{array}{r}
 7. \quad \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\
 5 \quad 5 \quad 2 \quad 5 \\
 - 2 \quad 9 \quad 4 \quad 8 \\
 \hline
 2 \quad 5 \quad 7 \quad 7
 \end{array}$$

$$\begin{array}{r}
 8. \quad \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\
 8 \quad 3 \quad 5 \quad 9 \\
 - 5 \quad 4 \quad 7 \quad 3 \\
 \hline
 2 \quad 8 \quad 8 \quad 6
 \end{array}$$

9. Th H T O

$$\begin{array}{r} 7634 \\ - 4579 \\ \hline 3055 \end{array}$$

10. Th H T O

$$\begin{array}{r} 9323 \\ - 2674 \\ \hline 6649 \end{array}$$

11. Th H T O

$$\begin{array}{r} 4214 \\ - 1537 \\ \hline 2677 \end{array}$$

12. Th H T O

$$\begin{array}{r} 6036 \\ - 2384 \\ \hline 3652 \end{array}$$

13. Th H T O

$$\begin{array}{r} 8561 \\ - 4725 \\ \hline 3846 \end{array}$$

14. Th H T O

$$\begin{array}{r} 7769 \\ - 5841 \\ \hline 1928 \end{array}$$

15. Th H T O

$$\begin{array}{r} 5456 \\ - 3653 \\ \hline 1803 \end{array}$$

↔ Exercise - 3.3 ↔

1. No. of males = 4435
No. of females = 3312

$$\begin{aligned} \therefore \text{No. of more males} &= 4435 - 3312 \\ &= \underline{1123} \text{ Ans} \end{aligned}$$

2. No. of bags were carrying A goods Exton
= 9197.

$$3. \text{ No. of seats in a stadium} = 6500$$

$$\text{No. of persons saw the match} = 4392$$

$$\begin{aligned} \therefore \text{no. of vacant seats} &= 6500 - 4392 \\ &= \underline{2208 \text{ Ans}} \end{aligned}$$

$$4. \text{ No. of bricks to make a wall} = 9380$$

$$\text{No. of utilized bricks} = 7412$$

$$\begin{aligned} \therefore \text{no. of bricks were left behind} \\ &= 9380 - 7412 \\ &= \underline{1968 \text{ Ans}} \end{aligned}$$

$$5. \quad 6287 - 4379$$

$$= \underline{1908 \text{ Ans}}$$

↔ Exercise 3.4 ↔

Fill in the blanks: -

$$1. \quad 5152 - 0 = \underline{5152}$$

$$2. \quad 3219 - 0 = \underline{3219}$$

$$3. \quad 2106 - 0 = \underline{2106}$$

$$4. \quad 4140 - 4140 = \underline{0}$$

$$5. \quad 3236 - 3236 = \underline{0}$$

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$$6. \quad \underline{6514} - 6514 = 0$$

$$7. \quad 4142 - 0 = \underline{4142}$$

$$8. \quad 7641 - \underline{0} = 7641$$

$$9. \quad \underline{7214} - 0 = 7214$$

$$10. \quad 2642 - 2642 = \underline{0}$$

$$11. \quad 8598 - \underline{8598} = 0$$

$$12. \quad \underline{7339} - 7339 = 0$$

↔ Exercise 3.5 ↔

Check the following Subtractions by addition:

$$1. \quad \begin{array}{r} 5289 \\ - 3154 \\ \hline 2135 \end{array} \quad \begin{array}{r} 3154 \\ + 2135 \\ \hline 5289 \end{array}$$

Subtraction is Correct.

$$2. \quad \begin{array}{r} 8604 \\ - 4057 \\ \hline 4557 \end{array} \quad \begin{array}{r} 4057 \\ + 4557 \\ \hline 8614 \end{array}$$

Subtraction is incorrect.

$$3. \quad \begin{array}{r} 5679 \\ 3180 \\ \hline 2\cancel{9}9 \end{array} \quad \begin{array}{r} 2599 \\ + 3180 \\ \hline 5779 \end{array}$$

Subtraction is incorrect.

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$$4. \quad \begin{array}{r} 7624 \\ - 3657 \\ \hline 3967 \end{array} \quad \begin{array}{r} 3967 \\ + 3657 \\ \hline 7624 \end{array}$$

Subtraction is Correct.

↔ Exercise - 3.6 ↔

1. Simplify : $2140 + 7018 - 3159$

$$\begin{array}{r} 2140 \\ + 7018 \\ \hline 9158 \end{array} \quad \begin{array}{r} 9158 \\ - 3159 \\ \hline 5999 \end{array}$$

Ans: 5999

2. Simplify : $4901 - 2234 + 2415$

$$\begin{array}{r} 4901 \\ - 2234 \\ \hline 2677 \end{array} \quad \begin{array}{r} 2677 \\ + 2415 \\ \hline 5092 \end{array}$$

Ans: 5092

3. Simplify : $7582 + 2375 - 2180$

$$\begin{array}{r} 7582 \\ + 2375 \\ \hline 9957 \end{array} \quad \begin{array}{r} 9957 \\ - 2180 \\ \hline 6777 \end{array}$$

Ans: 6777

4. Simplify : $7132 + 1120 - 2196$

$$\begin{array}{r} 7132 \\ + 1120 \\ \hline 8252 \end{array} \quad \begin{array}{r} 8252 \\ - 2196 \\ \hline 6056 \end{array}$$

Ans: 6056
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5. Simplify : $6145 + 1142 - 4217$

$$\begin{array}{r} 6145 \\ + 1142 \\ \hline 7287 \end{array} \qquad \begin{array}{r} 7287 \\ - 4217 \\ \hline 3070 \end{array}$$

Ans: 3070

↔ Exercise 3.7 ↔

1. Estimate the difference by rounding to nearest ten.

a. $6129 - 4299$

Estimate : $6130 - 4300$
 ~~$= 1830$~~ Ans
 $= 1830$ Ans

b. $5112 - 2149$

Estimate : 5110
 $- 2150$
 2960 Ans

c. $5101 - 3841$

Estimate : $5100 - 3840$
 $= 1260$ Ans

d. $3577 - 1115$

Estimate : $3580 - 1120$
 $= 2460$ Ans

$$e. 4316 - 1423$$

$$\begin{aligned} \text{Estimate} &: 4320 - 1420 \\ &= 2920 \text{ Ans} \end{aligned}$$

$$f. 7569 - 5212$$

$$\begin{aligned} \text{Estimate} &: 7570 - 5210 \\ &= 2360 \text{ Ans} \end{aligned}$$

2. Estimate the difference by rounding to nearest hundred.

$$a. 5019 - 2439$$

$$\begin{aligned} \text{Estimate} &: 5000 - 2400 \\ &= 2600 \text{ Ans} \end{aligned}$$

$$b. 4129 - 2339$$

$$\begin{aligned} \text{Estimate} &: 4100 - 2300 \\ &= 1800 \text{ Ans} \end{aligned}$$

$$c. 6129 - 3099$$

$$\begin{aligned} \text{Estimate} &: 6100 - 3100 \\ &= 3000 \text{ Ans} \end{aligned}$$

$$d. 5102 - 4209$$

$$\begin{aligned} \text{Estimate} &: 5100 - 4200 \\ &= 900 \text{ Ans} \end{aligned}$$

$$e. 7451 - 1231$$

$$\begin{aligned} \text{Estimate} &: 7500 - 1200 \\ &= 6300 \text{ Ans} \end{aligned}$$

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3. Estimate the difference by rounding to nearest thousands.

a. $7321 - 4731$

Estimate : $7000 - 5000$
 $= 2000$ Ans

b. $8129 - 2339$

Estimate : $8000 - 2000$
 $= 6000$ Ans

c. $5319 - 3739$

Estimate : $5000 - 4000$
 $= 1000$ Ans

d. $6512 - 2949$

Estimate : ~~6600~~ ~~30~~ $7000 - 3000$
 $= 4000$ Ans

e. $8329 - 2909$

Estimate : $8000 - 3000$
 $= 5000$ Ans

f. $9249 - 1902$

Estimate : $9000 - 2000$
 $= 7000$ Ans

4. No. of Pages in encyclopedia on dogs

$= 5097$ Pages

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No. of pages in encyclopedia on cats
= 2948

5097 rounding to nearest hundred = 5100

2948 rounding to nearest hundred = 2900

\therefore ~~no.~~ no. of pages more than
dog encyclopedia = 2900 ~~Ans~~