COMPLETE MathSmart® Grade 3

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3 Subtraction

- subtracting three-digit numbers

Read This

When doing subtraction, it is important that the numbers are aligned from right to left. Not doing so will result in a wrong answer.

Example **237 – 124 = ?**

Align the digits.

$$\begin{array}{r} 237 \\ -\ 124 \\ \hline \end{array}$$

237 – 124 = 113

Subtract the digits from right to left.

$$\begin{array}{r} 237 \\ -\ 124 \\ \hline 113 \end{array}$$

7 – 4 = 3

3 – 2 = 1

2 – 1 = 1

Try It

$$\begin{array}{r} 467 \\ -\ 145 \\ \hline \end{array}$$

467 – 145 = ☐

$$\begin{array}{r} 353 \\ -\ 212 \\ \hline \end{array}$$

353 – 212 = ☐

Do the subtraction.

① a. $\begin{array}{r} 605 \\ -\ 102 \\ \hline \end{array}$ b. $\begin{array}{r} 885 \\ -\ 174 \\ \hline \end{array}$

c. $\begin{array}{r} 798 \\ -\ 408 \\ \hline \end{array}$ d. $\begin{array}{r} 537 \\ -\ 124 \\ \hline \end{array}$

e. $\begin{array}{r} 471 \\ -\ 401 \\ \hline \end{array}$ f. $\begin{array}{r} 588 \\ -\ 575 \\ \hline \end{array}$

g. $\begin{array}{r} 837 \\ -\ 331 \\ \hline \end{array}$ h. $\begin{array}{r} 729 \\ -\ 613 \\ \hline \end{array}$

i. $\begin{array}{r} 382 \\ -\ 171 \\ \hline \end{array}$ j. $\begin{array}{r} 925 \\ -\ 614 \\ \hline \end{array}$

② a. 994 – 614 = _____

b. 532 – 421 = _____

c. 618 – 503 = _____

d. 877 – 105 = _____

e. 189 – 64 = _____

f. 705 – 601 = _____

g. 384 – 112 = _____

h. 676 – 45 = _____

i. 542 – 341 = _____

j. 267 – 124 = _____

k. 624 – 323 = _____

l. 596 – 486 = _____

Do the subtraction.

③ $\begin{array}{r} {\scriptstyle 7\ 11\ 13} \\ 8\not{2}\not{3} \\ -\ 235 \\ \hline \end{array}$ ④ $\begin{array}{r} 463 \\ -\ 174 \\ \hline \end{array}$

Regroup the tens and/or the hundreds when needed.

⑤ $\begin{array}{r} 709 \\ -\ 244 \\ \hline \end{array}$ ⑥ $\begin{array}{r} 623 \\ -\ 335 \\ \hline \end{array}$ ⑦ $\begin{array}{r} 387 \\ -\ 291 \\ \hline \end{array}$ ⑧ $\begin{array}{r} 568 \\ -\ 419 \\ \hline \end{array}$

⑨ $\begin{array}{r} 917 \\ -\ 718 \\ \hline \end{array}$ ⑩ $\begin{array}{r} 500 \\ -\ 312 \\ \hline \end{array}$ ⑪ $\begin{array}{r} 407 \\ -\ 129 \\ \hline \end{array}$ ⑫ $\begin{array}{r} 213 \\ -\ 114 \\ \hline \end{array}$

⑬ $\begin{array}{r} 640 \\ -\ 321 \\ \hline \end{array}$ ⑭ $\begin{array}{r} 303 \\ -\ 119 \\ \hline \end{array}$ ⑮ $\begin{array}{r} 432 \\ -\ 237 \\ \hline \end{array}$ ⑯ $\begin{array}{r} 958 \\ -\ 493 \\ \hline \end{array}$

Find the difference for each pair of numbers.

⑰ 399 – 89 = _____

⑱ 440 – 168 = _____

⑲ 759 – 163 = _____

⑳ 580 – 291 = _____

㉑ 643 – 144 = _____

㉒ 807 – 628 = _____

㉓ 735 – 48 = _____

㉔ 827 – 296 = _____

㉕ 573 – 387 = _____

㉖ 628 – 479 = _____

㉗ 891 – 426 = _____

Do your work here.

Find the difference for each pair of numbers.

㉘ 475 745

㉙ 859 482

㉚ 337 662

㉛ 437 225

㉜ 252 992

㉝ 264 651

㉞ 352 219

㉟ 680 349

㊱ 806 508

Round each number to the nearest ten. Then find the estimated and actual differences for each pair.

㊲ 634 → _____

391 → _____

estimate _____ actual _____

㊳ 197 → _____

485 → _____

estimate _____ actual _____

㊴ 701 → _____

343 → _____

estimate _____ actual _____

㊵ 788 → _____

692 → _____

estimate _____ actual _____

㊶ 511 → _____

900 → _____

estimate _____ actual _____

㊷ 409 → _____

125 → _____

estimate _____ actual _____

Estimate to tell whether each answer is reasonable or not. Put a check mark if it is reasonable; otherwise, put a cross.

㊸

(A) 924 – 445 = 479		(B) 658 – 292 = 366	
(C) 712 – 141 = 671		(D) 348 – 219 = 129	
(E) 567 – 131 = 436		(F) 581 – 553 = 128	
(G) 983 – 595 = 188		(H) 390 – 138 = 252	
(I) 629 – 428 = 201		(J) 859 – 238 = 521	
(K) 838 – 647 = 191		(L) 921 – 825 = 196	
(M) 403 – 284 = 219		(N) 716 – 287 = 429	

Look at the chart for the number of beads Judy has in each colour. Answer the questions.

Judy's Beads

Colour	Number
Red	362
Orange	115
Yellow	802
Green	969
Blue	291
Purple	620
Black	468

㊹ Find the difference between the number of beads in different colours.

a. red and blue _____ beads

b. purple and green _____ beads

c. orange and black _____ beads

d. yellow and red _____ beads

e. blue and purple _____ beads

㊺ James has 700 blue beads. How many more blue beads does James have than Judy? _____ beads

㊻ There are about 500 more beads in this colour than in orange. What is the colour of these beads? _____