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3 Subtraction

- subtracting three-digit numbers



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.

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

$$237 - 124 = \boxed{113}$$

Subtract the digits from right to left.

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

$$\begin{array}{l} \uparrow \quad \uparrow \quad \uparrow \\ 2 - 1 = 1 \quad 3 - 2 = 1 \quad 7 - 4 = 3 \end{array}$$



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

$$467 - 145 = \boxed{}$$

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

$$353 - 212 = \boxed{}$$

Do the subtraction.

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

b. $\begin{array}{r} 885 \\ - 174 \\ \hline \end{array}$

② a. $994 - 614 = \underline{\hspace{2cm}}$

b. $532 - 421 = \underline{\hspace{2cm}}$

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

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

c. $618 - 503 = \underline{\hspace{2cm}}$

d. $877 - 105 = \underline{\hspace{2cm}}$

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

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

e. $189 - 64 = \underline{\hspace{2cm}}$

f. $705 - 601 = \underline{\hspace{2cm}}$

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

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

g. $384 - 112 = \underline{\hspace{2cm}}$

h. $676 - 45 = \underline{\hspace{2cm}}$

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

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

i. $542 - 341 = \underline{\hspace{2cm}}$

j. $267 - 124 = \underline{\hspace{2cm}}$

k. $624 - 323 = \underline{\hspace{2cm}}$

l. $596 - 486 = \underline{\hspace{2cm}}$

Do the subtraction.

$$\begin{array}{r} \textcircled{3} \quad \begin{array}{r} 7 \ 11 \ 13 \\ 823 \\ - 235 \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} \textcircled{4} \quad \begin{array}{r} 463 \\ - 174 \\ \hline \end{array} \end{array}$$



Regroup the tens and/or the hundreds when needed.

$$\begin{array}{r} \textcircled{5} \quad \begin{array}{r} 709 \\ - 244 \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} \textcircled{6} \quad \begin{array}{r} 623 \\ - 335 \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} \textcircled{7} \quad \begin{array}{r} 387 \\ - 291 \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} \textcircled{8} \quad \begin{array}{r} 568 \\ - 419 \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} \textcircled{9} \quad \begin{array}{r} 917 \\ - 718 \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} \textcircled{10} \quad \begin{array}{r} 500 \\ - 312 \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} \textcircled{11} \quad \begin{array}{r} 407 \\ - 129 \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} \textcircled{12} \quad \begin{array}{r} 213 \\ - 114 \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} \textcircled{13} \quad \begin{array}{r} 640 \\ - 321 \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} \textcircled{14} \quad \begin{array}{r} 303 \\ - 119 \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} \textcircled{15} \quad \begin{array}{r} 432 \\ - 237 \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} \textcircled{16} \quad \begin{array}{r} 958 \\ - 493 \\ \hline \end{array} \end{array}$$

Find the difference for each pair of numbers.

$$\textcircled{17} \quad 399 - 89 = \underline{\hspace{2cm}}$$

Do your work here.

$$\textcircled{18} \quad 440 - 168 = \underline{\hspace{2cm}}$$

$$\textcircled{19} \quad 759 - 163 = \underline{\hspace{2cm}}$$

$$\textcircled{20} \quad 580 - 291 = \underline{\hspace{2cm}}$$

$$\textcircled{21} \quad 643 - 144 = \underline{\hspace{2cm}}$$

$$\textcircled{22} \quad 807 - 628 = \underline{\hspace{2cm}}$$

$$\textcircled{23} \quad 735 - 48 = \underline{\hspace{2cm}}$$

$$\textcircled{24} \quad 827 - 296 = \underline{\hspace{2cm}}$$

$$\textcircled{25} \quad 573 - 387 = \underline{\hspace{2cm}}$$

$$\textcircled{26} \quad 628 - 479 = \underline{\hspace{2cm}}$$

$$\textcircled{27} \quad 891 - 426 = \underline{\hspace{2cm}}$$

Find the difference for each pair of numbers.

②⑧ **475 745**

②⑨ **859 482**

③⑩ **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 _____

④⑩ 788 → _____

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

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

- 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

Judy's Beads

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

- 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? _____