

Keep the Difference the Same

Name: _____

Date: _____

Two-digit numbers - work the steps from left to right, then write the answer.

How it works: Keep the Difference the Same Add the same amount to both numbers. The gap between them never changes.

$47 - 36 = \underline{11}$

add 4 to make it friendly

$36 + 4 = \underline{40}$

add 4 to the other number too

$47 + 4 = \underline{51}$

now take away the easy way

$\underline{51} - 40 = \underline{11}$

1) $93 - 17 = \underline{\quad}$

add 3 to make it friendly

$17 + \underline{\quad} = \underline{\quad}$

add 3 to the other number too

$93 + \underline{\quad} = \underline{\quad}$

now take away the easy way

$\underline{\quad} - \underline{\quad} = \underline{\quad}$

2) $87 - 66 = \underline{\quad}$

add 4 to make it friendly

$66 + \underline{\quad} = \underline{\quad}$

add 4 to the other number too

$87 + \underline{\quad} = \underline{\quad}$

now take away the easy way

$\underline{\quad} - \underline{\quad} = \underline{\quad}$

3) $62 - 27 = \underline{\quad}$

add 3 to make it friendly

$27 + \underline{\quad} = \underline{\quad}$

add 3 to the other number too

$62 + \underline{\quad} = \underline{\quad}$

now take away the easy way

$\underline{\quad} - \underline{\quad} = \underline{\quad}$

4) $99 - 46 = \underline{\quad}$

add 4 to make it friendly

$46 + \underline{\quad} = \underline{\quad}$

add 4 to the other number too

$99 + \underline{\quad} = \underline{\quad}$

now take away the easy way

$\underline{\quad} - \underline{\quad} = \underline{\quad}$

5) $96 - 67 = \underline{\quad}$

add 3 to make it friendly

$67 + \underline{\quad} = \underline{\quad}$

add 3 to the other number too

$96 + \underline{\quad} = \underline{\quad}$

now take away the easy way

$\underline{\quad} - \underline{\quad} = \underline{\quad}$

6) $96 - 66 = \underline{\quad}$

add 4 to make it friendly

$66 + \underline{\quad} = \underline{\quad}$

add 4 to the other number too

$96 + \underline{\quad} = \underline{\quad}$

now take away the easy way

$\underline{\quad} - \underline{\quad} = \underline{\quad}$

7) $76 - 36 = \underline{\quad}$

add 4 to make it friendly

$36 + \underline{\quad} = \underline{\quad}$

add 4 to the other number too

$76 + \underline{\quad} = \underline{\quad}$

now take away the easy way

$\underline{\quad} - \underline{\quad} = \underline{\quad}$

8) $45 - 16 = \underline{\quad}$

add 4 to make it friendly

$16 + \underline{\quad} = \underline{\quad}$

add 4 to the other number too

$45 + \underline{\quad} = \underline{\quad}$

now take away the easy way

$\underline{\quad} - \underline{\quad} = \underline{\quad}$



Answer Key

Keep the Difference the Same - Two-digit numbers

Every step is filled in. Check your work.

How it works: Keep the Difference the Same Add the same amount to both numbers. The gap between them never changes.

$$47 - 36 = \underline{11}$$

add 4 to make it friendly

$$36 + 4 = \underline{40}$$

add 4 to the other number too

$$47 + 4 = \underline{51}$$

now take away the easy way

$$\underline{51} - \underline{40} = \underline{11}$$

1) $93 - 17 = \underline{76}$

add 3 to make it friendly

$$17 + \underline{3} = \underline{20}$$

add 3 to the other number too

$$93 + \underline{3} = \underline{96}$$

now take away the easy way

$$\underline{96} - \underline{20} = \underline{76}$$

2) $87 - 66 = \underline{21}$

add 4 to make it friendly

$$66 + \underline{4} = \underline{70}$$

add 4 to the other number too

$$87 + \underline{4} = \underline{91}$$

now take away the easy way

$$\underline{91} - \underline{70} = \underline{21}$$

3) $62 - 27 = \underline{35}$

add 3 to make it friendly

$$27 + \underline{3} = \underline{30}$$

add 3 to the other number too

$$62 + \underline{3} = \underline{65}$$

now take away the easy way

$$\underline{65} - \underline{30} = \underline{35}$$

4) $99 - 46 = \underline{53}$

add 4 to make it friendly

$$46 + \underline{4} = \underline{50}$$

add 4 to the other number too

$$99 + \underline{4} = \underline{103}$$

now take away the easy way

$$\underline{103} - \underline{50} = \underline{53}$$

5) $96 - 67 = \underline{29}$

add 3 to make it friendly

$$67 + \underline{3} = \underline{70}$$

add 3 to the other number too

$$96 + \underline{3} = \underline{99}$$

now take away the easy way

$$\underline{99} - \underline{70} = \underline{29}$$

6) $96 - 66 = \underline{30}$

add 4 to make it friendly

$$66 + \underline{4} = \underline{70}$$

add 4 to the other number too

$$96 + \underline{4} = \underline{100}$$

now take away the easy way

$$\underline{100} - \underline{70} = \underline{30}$$

7) $76 - 36 = \underline{40}$

add 4 to make it friendly

$$36 + \underline{4} = \underline{40}$$

add 4 to the other number too

$$76 + \underline{4} = \underline{80}$$

now take away the easy way

$$\underline{80} - \underline{40} = \underline{40}$$

8) $45 - 16 = \underline{29}$

add 4 to make it friendly

$$16 + \underline{4} = \underline{20}$$

add 4 to the other number too

$$45 + \underline{4} = \underline{49}$$

now take away the easy way

$$\underline{49} - \underline{20} = \underline{29}$$

