

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.

$83 - 46 = \underline{37}$

add 4 to make it friendly

$46 + 4 = \underline{50}$

add 4 to the other number too

$83 + 4 = \underline{87}$

now take away the easy way

$\underline{87} - \underline{50} = \underline{37}$

1) $49 - 16 = \underline{\quad}$

add 4 to make it friendly

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

add 4 to the other number too

$49 + \underline{\quad} = \underline{\quad}$

now take away the easy way

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

2) $49 - 27 = \underline{\quad}$

add 3 to make it friendly

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

add 3 to the other number too

$49 + \underline{\quad} = \underline{\quad}$

now take away the easy way

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

3) $77 - 46 = \underline{\quad}$

add 4 to make it friendly

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

add 4 to the other number too

$77 + \underline{\quad} = \underline{\quad}$

now take away the easy way

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

4) $71 - 36 = \underline{\quad}$

add 4 to make it friendly

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

add 4 to the other number too

$71 + \underline{\quad} = \underline{\quad}$

now take away the easy way

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

5) $95 - 46 = \underline{\quad}$

add 4 to make it friendly

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

add 4 to the other number too

$95 + \underline{\quad} = \underline{\quad}$

now take away the easy way

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

6) $90 - 36 = \underline{\quad}$

add 4 to make it friendly

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

add 4 to the other number too

$90 + \underline{\quad} = \underline{\quad}$

now take away the easy way

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

7) $78 - 27 = \underline{\quad}$

add 3 to make it friendly

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

add 3 to the other number too

$78 + \underline{\quad} = \underline{\quad}$

now take away the easy way

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

8) $70 - 46 = \underline{\quad}$

add 4 to make it friendly

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

add 4 to the other number too

$70 + \underline{\quad} = \underline{\quad}$

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.

$$83 - 46 = \underline{37}$$

add 4 to make it friendly

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

add 4 to the other number too

$$83 + 4 = \underline{87}$$

now take away the easy way

$$\underline{87} - \underline{50} = \underline{37}$$

1) $49 - 16 = \underline{33}$

add 4 to make it friendly

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

add 4 to the other number too

$$49 + \underline{4} = \underline{53}$$

now take away the easy way

$$\underline{53} - \underline{20} = \underline{33}$$

2) $49 - 27 = \underline{22}$

add 3 to make it friendly

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

add 3 to the other number too

$$49 + \underline{3} = \underline{52}$$

now take away the easy way

$$\underline{52} - \underline{30} = \underline{22}$$

3) $77 - 46 = \underline{31}$

add 4 to make it friendly

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

add 4 to the other number too

$$77 + \underline{4} = \underline{81}$$

now take away the easy way

$$\underline{81} - \underline{50} = \underline{31}$$

4) $71 - 36 = \underline{35}$

add 4 to make it friendly

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

add 4 to the other number too

$$71 + \underline{4} = \underline{75}$$

now take away the easy way

$$\underline{75} - \underline{40} = \underline{35}$$

5) $95 - 46 = \underline{49}$

add 4 to make it friendly

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

add 4 to the other number too

$$95 + \underline{4} = \underline{99}$$

now take away the easy way

$$\underline{99} - \underline{50} = \underline{49}$$

6) $90 - 36 = \underline{54}$

add 4 to make it friendly

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

add 4 to the other number too

$$90 + \underline{4} = \underline{94}$$

now take away the easy way

$$\underline{94} - \underline{40} = \underline{54}$$

7) $78 - 27 = \underline{51}$

add 3 to make it friendly

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

add 3 to the other number too

$$78 + \underline{3} = \underline{81}$$

now take away the easy way

$$\underline{81} - \underline{30} = \underline{51}$$

8) $70 - 46 = \underline{24}$

add 4 to make it friendly

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

add 4 to the other number too

$$70 + \underline{4} = \underline{74}$$

now take away the easy way

$$\underline{74} - \underline{50} = \underline{24}$$

