

Two Ways to Multiply

Name: _____

Date: _____

Facts to 9×9 - solve each problem both ways.

Solve each one twice. Both ways are good ones - which felt faster for you?

1) $6 \times 4 =$ _____

Way A

Double, Then Double Again

double it

$$6 \times 2 = \underline{\quad}$$

double it again

$$\underline{\quad} \times 2 = \underline{\quad}$$

Way B

Double a Fact You Know

start with 3×4

$$3 \times 4 = \underline{\quad}$$

now double it

$$\underline{\quad} + 12 = \underline{\quad}$$

Both ways give the same answer. Which one felt faster? ☐ Way A ☐ Way B

2) $3 \times 8 =$ _____

Way A

Double, Then Double Again

double it

$$3 \times 2 = \underline{\quad}$$

double it again

$$\underline{\quad} \times 2 = \underline{\quad}$$

and double once more

$$\underline{\quad} \times 2 = \underline{\quad}$$

Way B

Add One More Group

start with 2×8

$$2 \times 8 = \underline{\quad}$$

add one more group of 8

$$\underline{\quad} + 8 = \underline{\quad}$$

Both ways give the same answer. Which one felt faster? ☐ Way A ☐ Way B

3) $4 \times 8 =$ _____

Way A

Double, Then Double Again

double it

$$8 \times 2 = \underline{\quad}$$

double it again

$$\underline{\quad} \times 2 = \underline{\quad}$$

Way B

Break a Factor Apart

first 5 groups of 4

$$5 \times 4 = \underline{\quad}$$

then 3 more groups

$$3 \times 4 = \underline{\quad}$$

add the two parts

$$\underline{\quad} + 12 = \underline{\quad}$$

Both ways give the same answer. Which one felt faster? ☐ Way A ☐ Way B

4) $7 \times 6 =$ _____

Way A

Double a Fact You Know

start with 3×7

$$3 \times 7 = \underline{\quad}$$

now double it

$$\underline{\quad} + 21 = \underline{\quad}$$

Way B

Add One More Group

start with 5×7

$$5 \times 7 = \underline{\quad}$$

add one more group of 7

$$\underline{\quad} + 7 = \underline{\quad}$$

Both ways give the same answer. Which one felt faster? ☐ Way A ☐ Way B



Answer Key

Two Ways to Multiply - Facts to 9×9

Every step is filled in. Check your work.

Solve each one twice. Both ways are good ones - which felt faster for you?

1) $6 \times 4 = \underline{24}$

Way A

Double, Then Double Again

double it

$$6 \times 2 = \underline{12}$$

double it again

$$\underline{12} \times 2 = \underline{24}$$

Way B

Double a Fact You Know

start with 3×4

$$3 \times 4 = \underline{12}$$

now double it

$$\underline{12} + \underline{12} = \underline{24}$$

Both ways give the same answer. Which one felt faster? ☐ Way A ☐ Way B

2) $3 \times 8 = \underline{24}$

Way A

Double, Then Double Again

double it

$$3 \times 2 = \underline{6}$$

double it again

$$\underline{6} \times 2 = \underline{12}$$

and double once more

$$\underline{12} \times 2 = \underline{24}$$

Way B

Add One More Group

start with 2×8

$$2 \times 8 = \underline{16}$$

add one more group of 8

$$\underline{16} + 8 = \underline{24}$$

Both ways give the same answer. Which one felt faster? ☐ Way A ☐ Way B

3) $4 \times 8 = \underline{32}$

Way A

Double, Then Double Again

double it

$$8 \times 2 = \underline{16}$$

double it again

$$\underline{16} \times 2 = \underline{32}$$

Way B

Break a Factor Apart

first 5 groups of 4

$$5 \times 4 = \underline{20}$$

then 3 more groups

$$3 \times 4 = \underline{12}$$

add the two parts

$$\underline{20} + \underline{12} = \underline{32}$$

Both ways give the same answer. Which one felt faster? ☐ Way A ☐ Way B

4) $7 \times 6 = \underline{42}$

Way A

Double a Fact You Know

start with 3×7

$$3 \times 7 = \underline{21}$$

now double it

$$\underline{21} + \underline{21} = \underline{42}$$

Way B

Add One More Group

start with 5×7

$$5 \times 7 = \underline{35}$$

add one more group of 7

$$\underline{35} + 7 = \underline{42}$$

Both ways give the same answer. Which one felt faster? ☐ Way A ☐ Way B

