

Two Ways to Multiply

Name: _____

Date: _____

Facts to 12×12 - 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
 $6 \times \underline{\quad} = \underline{\quad}$

double it again
 $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Way B

Double a Fact You Know

start with 3×4
 $3 \times \underline{\quad} = \underline{\quad}$

now double it
 $\underline{\quad} + \underline{\quad} = \underline{\quad}$

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

2) $4 \times 11 =$ _____

Way A

Double, Then Double Again

double it
 $11 \times \underline{\quad} = \underline{\quad}$

double it again
 $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Way B

Add One More Group

start with 10×4
 $10 \times \underline{\quad} = \underline{\quad}$

add one more group of 4
 $\underline{\quad} + \underline{\quad} = \underline{\quad}$

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

3) $6 \times 6 =$ _____

Way A

Double a Fact You Know

start with 3×6
 $3 \times \underline{\quad} = \underline{\quad}$

now double it
 $\underline{\quad} + \underline{\quad} = \underline{\quad}$

Way B

Add One More Group

start with 5×6
 $5 \times \underline{\quad} = \underline{\quad}$

add one more group of 6
 $\underline{\quad} + \underline{\quad} = \underline{\quad}$

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

4) $7 \times 5 =$ _____

Way A

Break a Factor Apart

first 5 groups of 5
 $5 \times \underline{\quad} = \underline{\quad}$

then 2 more groups
 $2 \times \underline{\quad} = \underline{\quad}$

add the two parts
 $\underline{\quad} + \underline{\quad} = \underline{\quad}$

Way B

Start From a Square

start from the square 5×5
 $5 \times \underline{\quad} = \underline{\quad}$

add 2 groups of 5
 $\underline{\quad} + \underline{\quad} = \underline{\quad}$

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



Answer Key

Two Ways to Multiply - Facts to 12×12

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

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

double it again

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

Way B

Double a Fact You Know

start with 3×4

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

now double it

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

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

2) $4 \times 11 = \underline{44}$

Way A

Double, Then Double Again

double it

$$11 \times \underline{2} = \underline{22}$$

double it again

$$\underline{22} \times \underline{2} = \underline{44}$$

Way B

Add One More Group

start with 10×4

$$10 \times \underline{4} = \underline{40}$$

add one more group of 4

$$\underline{40} + \underline{4} = \underline{44}$$

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

3) $6 \times 6 = \underline{36}$

Way A

Double a Fact You Know

start with 3×6

$$3 \times \underline{6} = \underline{18}$$

now double it

$$\underline{18} + \underline{18} = \underline{36}$$

Way B

Add One More Group

start with 5×6

$$5 \times \underline{6} = \underline{30}$$

add one more group of 6

$$\underline{30} + \underline{6} = \underline{36}$$

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

4) $7 \times 5 = \underline{35}$

Way A

Break a Factor Apart

first 5 groups of 5

$$5 \times \underline{5} = \underline{25}$$

then 2 more groups

$$2 \times \underline{5} = \underline{10}$$

add the two parts

$$\underline{25} + \underline{10} = \underline{35}$$

Way B

Start From a Square

start from the square 5×5

$$5 \times \underline{5} = \underline{25}$$

add 2 groups of 5

$$\underline{25} + \underline{10} = \underline{35}$$

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

