

Halve One, Double the Other

Name: _____

Date: _____

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

How it works: Halve One, Double the Other

Halve the even number and double the other one. The answer stays the same.

$12 \times 15 = \underline{180}$

halve 12

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

double 15

$15 \times 2 = \underline{30}$

multiply the easier pair

$\underline{30} \times \underline{6} = \underline{180}$

1) $35 \times 8 = \underline{\quad}$

halve 8

$\underline{\quad} \div \underline{\quad} = \underline{\quad}$

double 35

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

multiply the easier pair

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

2) $12 \times 45 = \underline{\quad}$

halve 12

$\underline{\quad} \div \underline{\quad} = \underline{\quad}$

double 45

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

multiply the easier pair

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

3) $6 \times 45 = \underline{\quad}$

halve 6

$\underline{\quad} \div \underline{\quad} = \underline{\quad}$

double 45

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

multiply the easier pair

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

4) $4 \times 15 = \underline{\quad}$

halve 4

$\underline{\quad} \div \underline{\quad} = \underline{\quad}$

double 15

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

multiply the easier pair

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

5) $8 \times 25 = \underline{\quad}$

halve 8

$\underline{\quad} \div \underline{\quad} = \underline{\quad}$

double 25

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

multiply the easier pair

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

6) $25 \times 14 = \underline{\quad}$

halve 14

$\underline{\quad} \div \underline{\quad} = \underline{\quad}$

double 25

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

multiply the easier pair

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

7) $16 \times 15 = \underline{\quad}$

halve 16

$\underline{\quad} \div \underline{\quad} = \underline{\quad}$

double 15

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

multiply the easier pair

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

8) $15 \times 14 = \underline{\quad}$

halve 14

$\underline{\quad} \div \underline{\quad} = \underline{\quad}$

double 15

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

multiply the easier pair

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



Answer Key

Halve One, Double the Other - Bigger numbers

Every step is filled in. Check your work.

How it works: Halve One, Double the Other Halve the even number and double the other one. The answer stays the same.

$$12 \times 15 = \underline{180}$$

halve 12
 $12 \div 2 = \underline{6}$

double 15
 $15 \times 2 = \underline{30}$

multiply the easier pair
 $\underline{30} \times \underline{6} = \underline{180}$

1) $35 \times 8 = \underline{280}$

halve 8
 $\underline{8} \div \underline{2} = \underline{4}$

double 35
 $\underline{35} \times \underline{2} = \underline{70}$

multiply the easier pair
 $\underline{70} \times \underline{4} = \underline{280}$

2) $12 \times 45 = \underline{540}$

halve 12
 $\underline{12} \div \underline{2} = \underline{6}$

double 45
 $\underline{45} \times \underline{2} = \underline{90}$

multiply the easier pair
 $\underline{90} \times \underline{6} = \underline{540}$

3) $6 \times 45 = \underline{270}$

halve 6
 $\underline{6} \div \underline{2} = \underline{3}$

double 45
 $\underline{45} \times \underline{2} = \underline{90}$

multiply the easier pair
 $\underline{90} \times \underline{3} = \underline{270}$

4) $4 \times 15 = \underline{60}$

halve 4
 $\underline{4} \div \underline{2} = \underline{2}$

double 15
 $\underline{15} \times \underline{2} = \underline{30}$

multiply the easier pair
 $\underline{30} \times \underline{2} = \underline{60}$

5) $8 \times 25 = \underline{200}$

halve 8
 $\underline{8} \div \underline{2} = \underline{4}$

double 25
 $\underline{25} \times \underline{2} = \underline{50}$

multiply the easier pair
 $\underline{50} \times \underline{4} = \underline{200}$

6) $25 \times 14 = \underline{350}$

halve 14
 $\underline{14} \div \underline{2} = \underline{7}$

double 25
 $\underline{25} \times \underline{2} = \underline{50}$

multiply the easier pair
 $\underline{50} \times \underline{7} = \underline{350}$

7) $16 \times 15 = \underline{240}$

halve 16
 $\underline{16} \div \underline{2} = \underline{8}$

double 15
 $\underline{15} \times \underline{2} = \underline{30}$

multiply the easier pair
 $\underline{30} \times \underline{8} = \underline{240}$

8) $15 \times 14 = \underline{210}$

halve 14
 $\underline{14} \div \underline{2} = \underline{7}$

double 15
 $\underline{15} \times \underline{2} = \underline{30}$

multiply the easier pair
 $\underline{30} \times \underline{7} = \underline{210}$

