

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.

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

halve 8

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

double 35

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

multiply the easier pair

$\underline{70} \times \underline{4} = \underline{280}$

1) $6 \times 45 = \underline{\quad}$

halve 6

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

double 45

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

multiply the easier pair

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

2) $6 \times 25 = \underline{\quad}$

halve 6

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

double 25

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

multiply the easier pair

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

3) $4 \times 35 = \underline{\quad}$

halve 4

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

double 35

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

multiply the easier pair

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

4) $45 \times 8 = \underline{\quad}$

halve 8

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

double 45

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

multiply the easier pair

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

5) $4 \times 25 = \underline{\quad}$

halve 4

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

double 25

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

multiply the easier pair

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

6) $8 \times 15 = \underline{\quad}$

halve 8

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

double 15

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

multiply the easier pair

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

7) $18 \times 15 = \underline{\quad}$

halve 18

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

double 15

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

multiply the easier pair

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

8) $14 \times 45 = \underline{\quad}$

halve 14

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

double 45

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

multiply the easier pair

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



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.

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

halve 8

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

double 35

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

multiply the easier pair

$$\underline{70} \times \underline{4} = \underline{280}$$

1) $6 \times 45 = \underline{270}$

halve 6

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

double 45

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

multiply the easier pair

$$\underline{90} \times \underline{3} = \underline{270}$$

2) $6 \times 25 = \underline{150}$

halve 6

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

double 25

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

multiply the easier pair

$$\underline{50} \times \underline{3} = \underline{150}$$

3) $4 \times 35 = \underline{140}$

halve 4

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

double 35

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

multiply the easier pair

$$\underline{70} \times \underline{2} = \underline{140}$$

4) $45 \times 8 = \underline{360}$

halve 8

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

double 45

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

multiply the easier pair

$$\underline{90} \times \underline{4} = \underline{360}$$

5) $4 \times 25 = \underline{100}$

halve 4

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

double 25

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

multiply the easier pair

$$\underline{50} \times \underline{2} = \underline{100}$$

6) $8 \times 15 = \underline{120}$

halve 8

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

double 15

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

multiply the easier pair

$$\underline{30} \times \underline{4} = \underline{120}$$

7) $18 \times 15 = \underline{270}$

halve 18

$$\underline{18} \div \underline{2} = \underline{9}$$

double 15

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

multiply the easier pair

$$\underline{30} \times \underline{9} = \underline{270}$$

8) $14 \times 45 = \underline{630}$

halve 14

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

double 45

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

multiply the easier pair

$$\underline{90} \times \underline{7} = \underline{630}$$

