

Halving and Doubling (A)

Name: _____

Date: _____

Use a halving and doubling strategy to calculate each product.

1. $16 \times 3 = 8 \times 6 = 48$

The diagram illustrates the halving and doubling strategy for the multiplication problem $16 \times 3 = 48$. A red arc is drawn below the numbers 16 and 8, with the label $\div 2$ centered underneath it, indicating that 16 is halved to 8. A green arc is drawn above the numbers 3 and 6, with the label $\times 2$ centered above it, indicating that 3 is doubled to 6. The equation is written as $16 \times 3 = 8 \times 6 = 48$.

2. $23 \times 4 =$

3. $5 \times 18 =$

4. $50 \times 28 =$

5. $3 \times 14 =$

6. $20 \times 32 =$

7. $16 \times 50 =$

8. $36 \times 5 =$

9. $34 \times 50 =$

10. $4 \times 18 =$

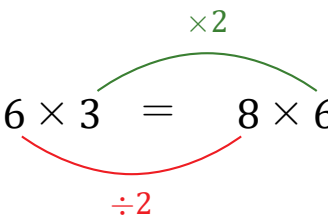
Halving and Doubling (A) Answers

Name: _____

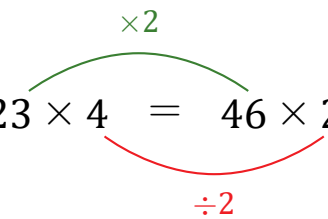
Date: _____

Use a halving and doubling strategy to calculate each product.

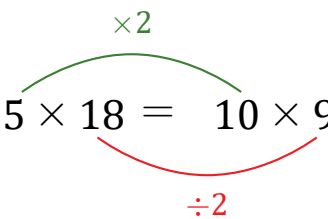
$$1. \quad 16 \times 3 = 8 \times 6 = 48$$



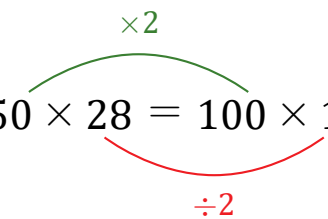
$$2. \quad 23 \times 4 = 46 \times 2 = 92$$



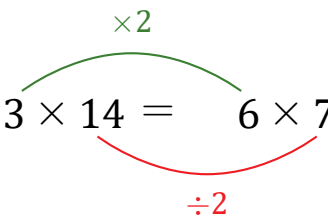
$$3. \quad 5 \times 18 = 10 \times 9 = 90$$



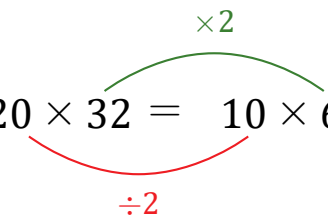
$$4. \quad 50 \times 28 = 100 \times 14 = 1400$$



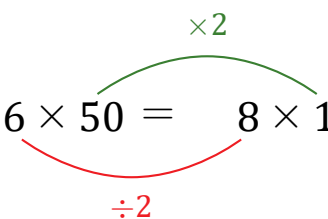
$$5. \quad 3 \times 14 = 6 \times 7 = 42$$



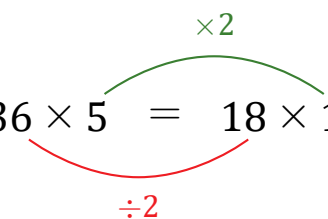
$$6. \quad 20 \times 32 = 10 \times 64 = 640$$



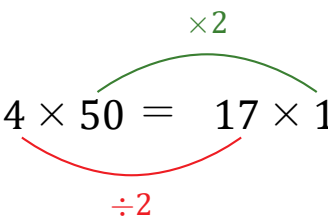
$$7. \quad 16 \times 50 = 8 \times 100 = 800$$



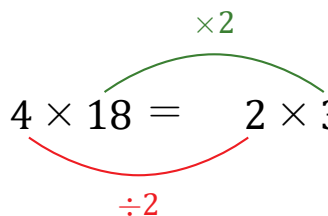
$$8. \quad 36 \times 5 = 18 \times 10 = 180$$



$$9. \quad 34 \times 50 = 17 \times 100 = 1700$$



$$10. \quad 4 \times 18 = 2 \times 36 = 72$$



Halving and Doubling (B)

Name: _____

Date: _____

Use a halving and doubling strategy to calculate each product.

1. $5 \times 28 = 10 \times 14 = 140$

2. $16 \times 3 =$

3. $50 \times 44 =$

4. $28 \times 50 =$

5. $36 \times 50 =$

6. $48 \times 5 =$

7. $32 \times 20 =$

8. $4 \times 23 =$

9. $3 \times 18 =$

10. $16 \times 50 =$

Halving and Doubling (B) Answers

Name: _____

Date: _____

Use a halving and doubling strategy to calculate each product.

1. $5 \times 28 = 10 \times 14 = 140$

2. $16 \times 3 = 8 \times 6 = 48$

3. $50 \times 44 = 100 \times 22 = 2200$

4. $28 \times 50 = 14 \times 100 = 1400$

5. $36 \times 50 = 18 \times 100 = 1800$

6. $48 \times 5 = 24 \times 10 = 240$

7. $32 \times 20 = 64 \times 10 = 640$

8. $4 \times 23 = 2 \times 46 = 92$

9. $3 \times 18 = 6 \times 9 = 54$

10. $16 \times 50 = 8 \times 100 = 800$

Halving and Doubling (C)

Name: _____

Date: _____

Use a halving and doubling strategy to calculate each product.

1. $5 \times 46 = 10 \times 23 = 230$

2. $50 \times 28 =$

3. $13 \times 20 =$

4. $18 \times 3 =$

5. $50 \times 46 =$

6. $4 \times 12 =$

7. $16 \times 3 =$

8. $4 \times 16 =$

9. $14 \times 3 =$

10. $5 \times 18 =$

Halving and Doubling (C) Answers

Name: _____

Date: _____

Use a halving and doubling strategy to calculate each product.

1. $5 \times 46 = 10 \times 23 = 230$

2. $50 \times 28 = 100 \times 14 = 1400$

3. $13 \times 20 = 26 \times 10 = 260$

4. $18 \times 3 = 9 \times 6 = 54$

5. $50 \times 46 = 100 \times 23 = 2300$

6. $4 \times 12 = 2 \times 24 = 48$

7. $16 \times 3 = 8 \times 6 = 48$

8. $4 \times 16 = 2 \times 32 = 64$

9. $14 \times 3 = 7 \times 6 = 42$

10. $5 \times 18 = 10 \times 9 = 90$

Halving and Doubling (D)

Name: _____

Date: _____

Use a halving and doubling strategy to calculate each product.

1. $34 \times 50 = 17 \times 100 = 1700$

2. $20 \times 24 =$

3. $50 \times 14 =$

4. $14 \times 3 =$

5. $20 \times 19 =$

6. $42 \times 20 =$

7. $3 \times 18 =$

8. $5 \times 16 =$

9. $50 \times 46 =$

10. $44 \times 5 =$

Halving and Doubling (D) Answers

Name: _____

Date: _____

Use a halving and doubling strategy to calculate each product.

$$1. \quad 34 \times 50 = 17 \times 100 = 1700$$

$\overset{\times 2}{\text{---}}$
 $\underset{\div 2}{\text{---}}$

$$2. \quad 20 \times 24 = 10 \times 48 = 480$$

$\overset{\times 2}{\text{---}}$
 $\underset{\div 2}{\text{---}}$

$$3. \quad 50 \times 14 = 100 \times 7 = 700$$

$\overset{\times 2}{\text{---}}$
 $\underset{\div 2}{\text{---}}$

$$4. \quad 14 \times 3 = 7 \times 6 = 42$$

$\overset{\times 2}{\text{---}}$
 $\underset{\div 2}{\text{---}}$

$$5. \quad 20 \times 19 = 10 \times 38 = 380$$

$\overset{\times 2}{\text{---}}$
 $\underset{\div 2}{\text{---}}$

$$6. \quad 42 \times 20 = 84 \times 10 = 840$$

$\overset{\times 2}{\text{---}}$
 $\underset{\div 2}{\text{---}}$

$$7. \quad 3 \times 18 = 6 \times 9 = 54$$

$\overset{\times 2}{\text{---}}$
 $\underset{\div 2}{\text{---}}$

$$8. \quad 5 \times 16 = 10 \times 8 = 80$$

$\overset{\times 2}{\text{---}}$
 $\underset{\div 2}{\text{---}}$

$$9. \quad 50 \times 46 = 100 \times 23 = 2300$$

$\overset{\times 2}{\text{---}}$
 $\underset{\div 2}{\text{---}}$

$$10. \quad 44 \times 5 = 22 \times 10 = 220$$

$\overset{\times 2}{\text{---}}$
 $\underset{\div 2}{\text{---}}$

Halving and Doubling (E)

Name: _____

Date: _____

Use a halving and doubling strategy to calculate each product.

1. $5 \times 46 = 10 \times 23 = 230$

2. $5 \times 28 =$

3. $31 \times 20 =$

4. $16 \times 3 =$

5. $3 \times 18 =$

6. $13 \times 4 =$

7. $22 \times 4 =$

8. $12 \times 50 =$

9. $14 \times 3 =$

10. $38 \times 5 =$

Halving and Doubling (E) Answers

Name: _____

Date: _____

Use a halving and doubling strategy to calculate each product.

1. $5 \times 46 = 10 \times 23 = 230$

2. $5 \times 28 = 10 \times 14 = 140$

3. $31 \times 20 = 62 \times 10 = 620$

4. $16 \times 3 = 8 \times 6 = 48$

5. $3 \times 18 = 6 \times 9 = 54$

6. $13 \times 4 = 26 \times 2 = 52$

7. $22 \times 4 = 44 \times 2 = 88$

8. $12 \times 50 = 6 \times 100 = 600$

9. $14 \times 3 = 7 \times 6 = 42$

10. $38 \times 5 = 19 \times 10 = 190$

Halving and Doubling (F)

Name: _____

Date: _____

Use a halving and doubling strategy to calculate each product.

1. $5 \times 46 = 10 \times 23 = 230$

2. $43 \times 20 =$

3. $16 \times 3 =$

4. $19 \times 20 =$

5. $16 \times 5 =$

6. $18 \times 3 =$

7. $36 \times 50 =$

8. $21 \times 20 =$

9. $50 \times 28 =$

10. $5 \times 32 =$

Halving and Doubling (F) Answers

Name: _____

Date: _____

Use a halving and doubling strategy to calculate each product.

1. $5 \times 46 = 10 \times 23 = 230$

2. $43 \times 20 = 86 \times 10 = 860$

3. $16 \times 3 = 8 \times 6 = 48$

4. $19 \times 20 = 38 \times 10 = 380$

5. $16 \times 5 = 8 \times 10 = 80$

6. $18 \times 3 = 9 \times 6 = 54$

7. $36 \times 50 = 18 \times 100 = 1800$

8. $21 \times 20 = 42 \times 10 = 420$

9. $50 \times 28 = 100 \times 14 = 1400$

10. $5 \times 32 = 10 \times 16 = 160$

Halving and Doubling (G)

Name: _____

Date: _____

Use a halving and doubling strategy to calculate each product.

1. $12 \times 4 = 24 \times 2 = 48$

2. $18 \times 3 =$

3. $18 \times 50 =$

4. $5 \times 34 =$

5. $21 \times 4 =$

6. $50 \times 44 =$

7. $20 \times 35 =$

8. $21 \times 20 =$

9. $18 \times 4 =$

10. $5 \times 46 =$

Halving and Doubling (G) Answers

Name: _____

Date: _____

Use a halving and doubling strategy to calculate each product.

1. $12 \times 4 = 24 \times 2 = 48$

2. $18 \times 3 = 9 \times 6 = 54$

3. $18 \times 50 = 9 \times 100 = 900$

4. $5 \times 34 = 10 \times 17 = 170$

5. $21 \times 4 = 42 \times 2 = 84$

6. $50 \times 44 = 100 \times 22 = 2200$

7. $20 \times 35 = 10 \times 70 = 700$

8. $21 \times 20 = 42 \times 10 = 420$

9. $18 \times 4 = 36 \times 2 = 72$

10. $5 \times 46 = 10 \times 23 = 230$

Halving and Doubling (H)

Name: _____

Date: _____

Use a halving and doubling strategy to calculate each product.

1. $42 \times 20 = 84 \times 10 = 840$

2. $28 \times 5 =$

3. $50 \times 12 =$

4. $3 \times 18 =$

5. $22 \times 50 =$

6. $16 \times 20 =$

7. $12 \times 5 =$

8. $16 \times 3 =$

9. $31 \times 20 =$

10. $22 \times 20 =$

Halving and Doubling (H) Answers

Name: _____

Date: _____

Use a halving and doubling strategy to calculate each product.

1. $42 \times 20 = 84 \times 10 = 840$

2. $28 \times 5 = 14 \times 10 = 140$

3. $50 \times 12 = 100 \times 6 = 600$

4. $3 \times 18 = 6 \times 9 = 54$

5. $22 \times 50 = 11 \times 100 = 1100$

6. $16 \times 20 = 32 \times 10 = 320$

7. $12 \times 5 = 6 \times 10 = 60$

8. $16 \times 3 = 8 \times 6 = 48$

9. $31 \times 20 = 62 \times 10 = 620$

10. $22 \times 20 = 44 \times 10 = 440$

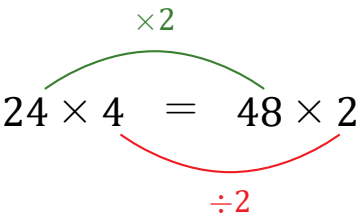
Halving and Doubling (I)

Name: _____

Date: _____

Use a halving and doubling strategy to calculate each product.

1. $24 \times 4 = 48 \times 2 = 96$



2. $18 \times 5 =$

3. $13 \times 4 =$

4. $3 \times 14 =$

5. $32 \times 50 =$

6. $18 \times 3 =$

7. $22 \times 5 =$

8. $5 \times 34 =$

9. $25 \times 20 =$

10. $20 \times 44 =$

Halving and Doubling (I) Answers

Name: _____

Date: _____

Use a halving and doubling strategy to calculate each product.

$$1. \quad 24 \times 4 \overset{\times 2}{=} 48 \times 2 \underset{\div 2}{=} 96$$

$$2. \quad 18 \times 5 \overset{\times 2}{=} 9 \times 10 \underset{\div 2}{=} 90$$

$$3. \quad 13 \times 4 \overset{\times 2}{=} 26 \times 2 \underset{\div 2}{=} 52$$

$$4. \quad 3 \times 14 \overset{\times 2}{=} 6 \times 7 \underset{\div 2}{=} 42$$

$$5. \quad 32 \times 50 \overset{\times 2}{=} 16 \times 100 \underset{\div 2}{=} 1600$$

$$6. \quad 18 \times 3 \overset{\times 2}{=} 9 \times 6 \underset{\div 2}{=} 54$$

$$7. \quad 22 \times 5 \overset{\times 2}{=} 11 \times 10 \underset{\div 2}{=} 110$$

$$8. \quad 5 \times 34 \overset{\times 2}{=} 10 \times 17 \underset{\div 2}{=} 170$$

$$9. \quad 25 \times 20 \overset{\times 2}{=} 50 \times 10 \underset{\div 2}{=} 500$$

$$10. \quad 20 \times 44 \overset{\times 2}{=} 10 \times 88 \underset{\div 2}{=} 880$$

Halving and Doubling (J)

Name: _____

Date: _____

Use a halving and doubling strategy to calculate each product.

1. $35 \times 20 = 70 \times 10 = 700$

2. $44 \times 50 =$

3. $5 \times 22 =$

4. $5 \times 46 =$

5. $14 \times 3 =$

6. $24 \times 50 =$

7. $16 \times 50 =$

8. $5 \times 14 =$

9. $24 \times 4 =$

10. $17 \times 4 =$

Halving and Doubling (J) Answers

Name: _____

Date: _____

Use a halving and doubling strategy to calculate each product.

1. $35 \times 20 = 70 \times 10 = 700$

2. $44 \times 50 = 22 \times 100 = 2200$

3. $5 \times 22 = 10 \times 11 = 110$

4. $5 \times 46 = 10 \times 23 = 230$

5. $14 \times 3 = 7 \times 6 = 42$

6. $24 \times 50 = 12 \times 100 = 1200$

7. $16 \times 50 = 8 \times 100 = 800$

8. $5 \times 14 = 10 \times 7 = 70$

9. $24 \times 4 = 48 \times 2 = 96$

10. $17 \times 4 = 34 \times 2 = 68$