

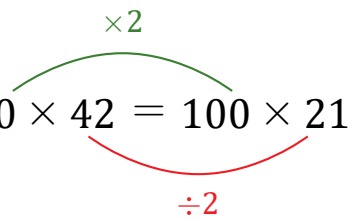
Halving and Doubling (J)

Name: _____

Date: _____

Use a halving and doubling strategy to calculate each product.

1. $50 \times 42 = 100 \times 21 = 2100$



2. $16 \times 50 =$

3. $32 \times 5 =$

4. $44 \times 20 =$

5. $5 \times 22 =$

6. $17 \times 4 =$

7. $20 \times 34 =$

8. $22 \times 4 =$

9. $3 \times 16 =$

10. $21 \times 20 =$

Halving and Doubling (J) Answers

Name: _____

Date: _____

Use a halving and doubling strategy to calculate each product.

1. $50 \times 42 = 100 \times 21 = 2100$

$\times 2$ (green arc from 50 to 100)
 $\div 2$ (red arc from 42 to 21)

2. $16 \times 50 = 8 \times 100 = 800$

$\times 2$ (green arc from 16 to 8)
 $\div 2$ (red arc from 50 to 100)

3. $32 \times 5 = 16 \times 10 = 160$

$\times 2$ (green arc from 32 to 16)
 $\div 2$ (red arc from 5 to 10)

4. $44 \times 20 = 88 \times 10 = 880$

$\times 2$ (green arc from 44 to 88)
 $\div 2$ (red arc from 20 to 10)

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

$\times 2$ (green arc from 5 to 10)
 $\div 2$ (red arc from 22 to 11)

6. $17 \times 4 = 34 \times 2 = 68$

$\times 2$ (green arc from 17 to 34)
 $\div 2$ (red arc from 4 to 2)

7. $20 \times 34 = 10 \times 68 = 680$

$\times 2$ (green arc from 20 to 10)
 $\div 2$ (red arc from 34 to 68)

8. $22 \times 4 = 44 \times 2 = 88$

$\times 2$ (green arc from 22 to 44)
 $\div 2$ (red arc from 4 to 2)

9. $3 \times 16 = 6 \times 8 = 48$

$\times 2$ (green arc from 3 to 6)
 $\div 2$ (red arc from 16 to 8)

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

$\times 2$ (green arc from 21 to 42)
 $\div 2$ (red arc from 20 to 10)