

**Step
5****INN: Fact Families**

I know Smile Multiplication Fact Families

Remember to:

- copy the 'Smile Multiplication' fact
- write the Switcher
- bring the total (sum) to the front, change the symbol and write the 2 switchers

Example

$$20 \times 90 = 1800$$

$$90 \times 20 = 1800$$

$$1800 \div 90 = 20$$

$$1800 \div 20 = 90$$

1 $30 \times 90 = 2700$

2 $50 \times 70 = 3500$

3 $20 \times 30 = 600$

4 $60 \times 40 = 2400$

5 $70 \times 40 = 2800$

6 $30 \times 80 = 2400$

7 $50 \times 60 = 3000$

8 $50 \times 90 = 4500$

9 $40 \times 20 = 800$

10 $70 \times 90 = 6300$

**Step
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I know Smile Multiplication Fact Families

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Example

$$20 \times 90 = 1800$$

$$90 \times 20 = 1800$$

$$1800 \div 90 = 20$$

$$1800 \div 20 = 90$$

1

$$30 \times 90 = 2700, 90 \times 30 = 2700, \\ 2700 \div 30 = 90, 2700 \div 90 = 30$$

2

$$50 \times 70 = 3500, 70 \times 50 = 3500, \\ 3500 \div 50 = 70, 3500 \div 70 = 50$$

3

$$20 \times 30 = 600, 30 \times 20 = 600, \\ 600 \div 20 = 30, 600 \div 30 = 20$$

4

$$60 \times 40 = 2400, 40 \times 60 = 2400, \\ 2400 \div 60 = 40, 2400 \div 40 = 60$$

5

$$70 \times 40 = 2800, 40 \times 70 = 2800, \\ 2800 \div 70 = 40, 2800 \div 40 = 70$$

6

$$30 \times 80 = 2400, 80 \times 30 = 2400, \\ 2400 \div 30 = 80, 2400 \div 80 = 30$$

7

$$50 \times 60 = 3000, 60 \times 50 = 3000, \\ 3000 \div 50 = 60, 3000 \div 60 = 50$$

8

$$50 \times 90 = 4500, 90 \times 50 = 4500, \\ 4500 \div 50 = 90, 4500 \div 90 = 50$$

9

$$40 \times 20 = 800, 20 \times 40 = 800, \\ 800 \div 40 = 20, 800 \div 20 = 40$$

10

$$70 \times 90 = 6300, 90 \times 70 = 6300, \\ 6300 \div 70 = 90, 6300 \div 90 = 70$$