



2nd Basic  
3rd Advanced

# Helping With Math

USA GRADES

## Multiplication of Numbers Using Bonds and Fact Families

*Suitable for students aged 6-8*

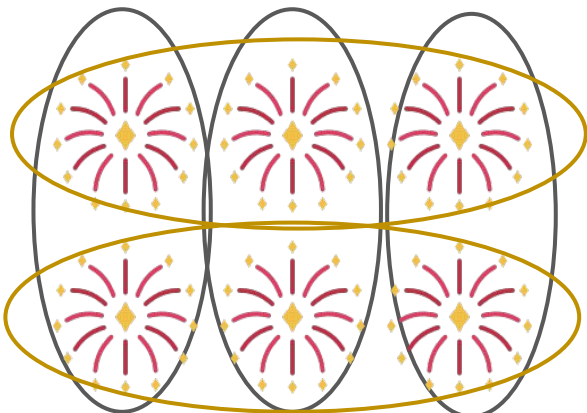
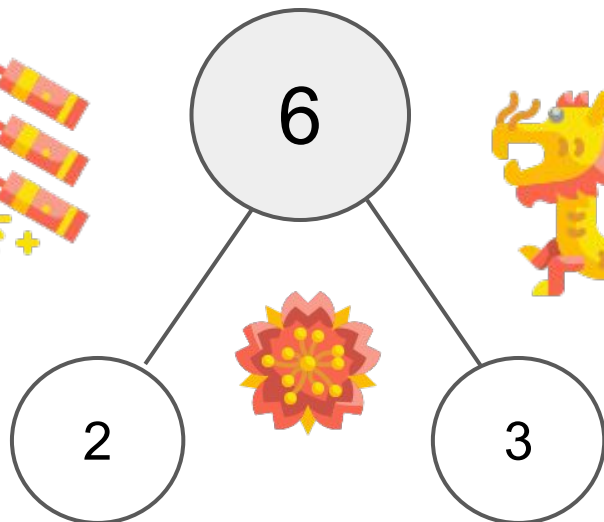
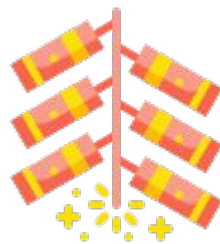


This pack is suitable for learners aged 6-8 years old or 2nd to 3rd graders (USA). The content covers fact files and relevant basic and advanced activities involving multiplication of numbers using bonds and fact families.



### NUMBER BONDS

is a simple multiplication of two numbers that can be multiplied to get the product.

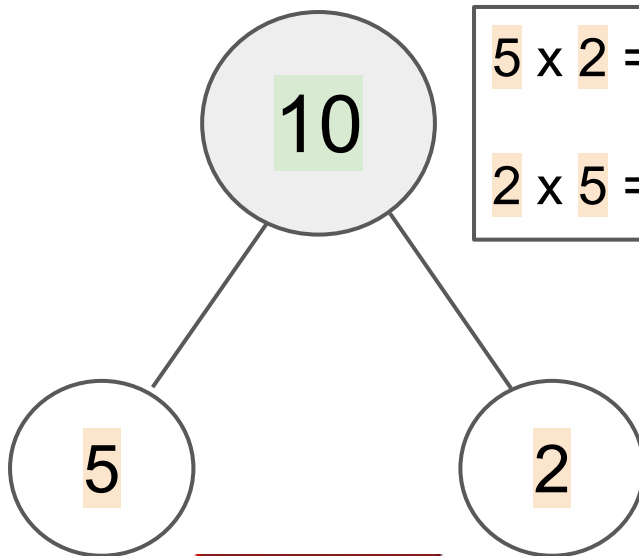
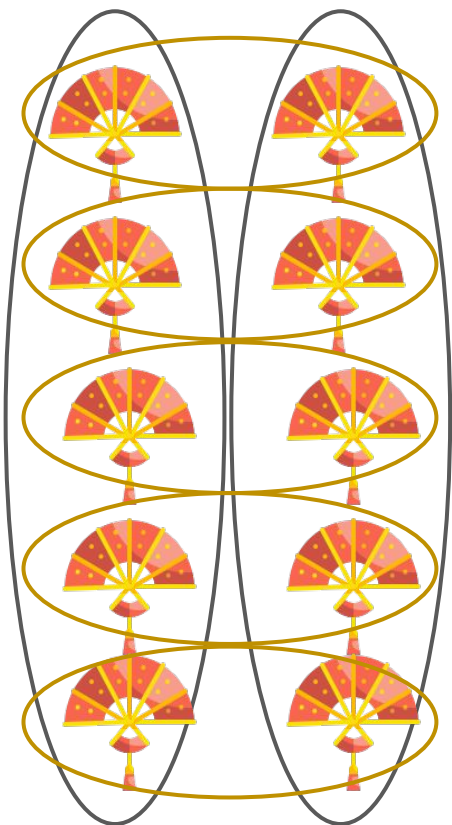


6 fireworks

- Since we have 2 rows of fireworks, this will be the first factor.
- Meanwhile, there are 3 columns of fireworks. This will be our second factor.



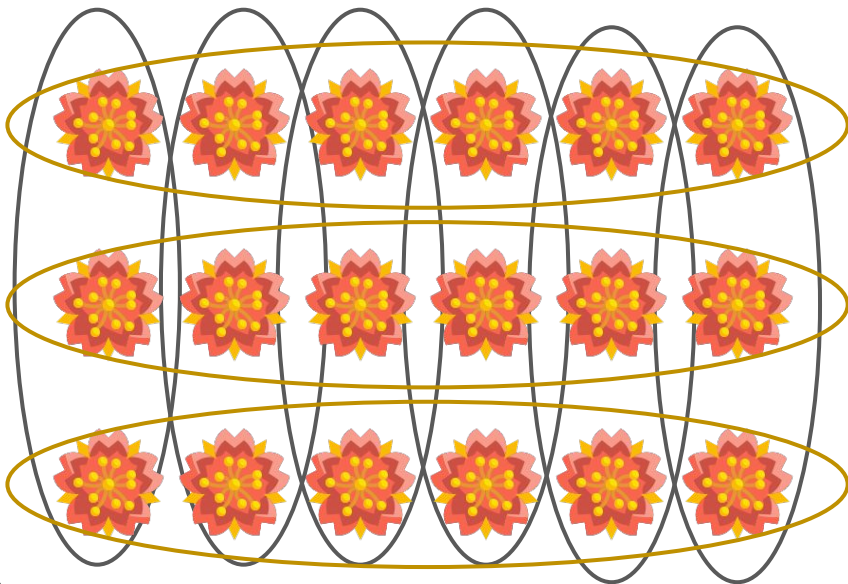
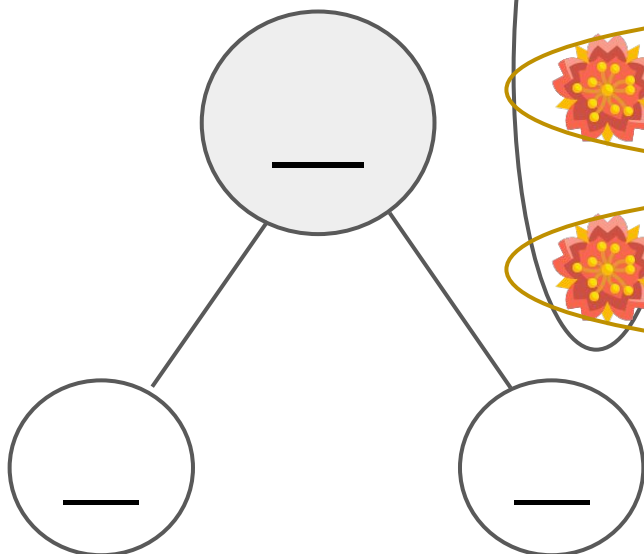
# CONCEPTS



$$5 \times 2 = 10$$
$$2 \times 5 = 10$$



Try this:



# TABLE OF ACTIVITIES

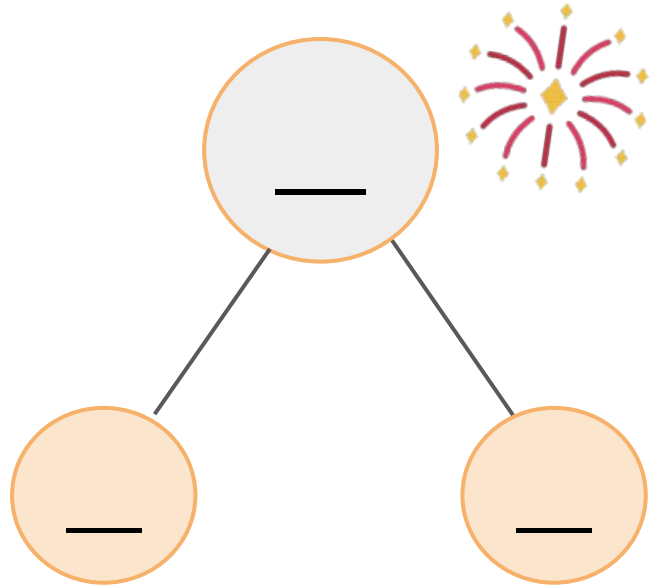
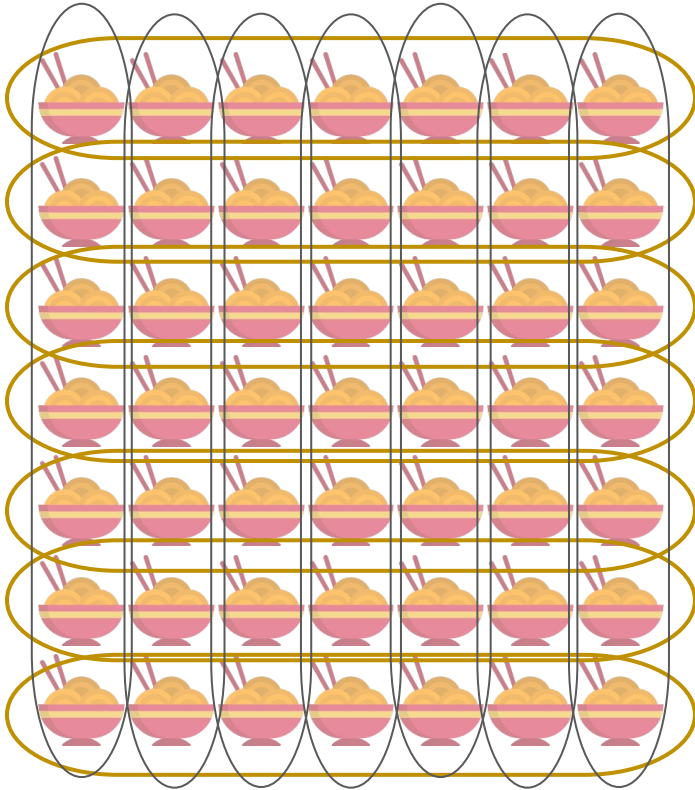
<b>Ages 6-7 (Basic)</b>		<u>2nd Grade</u>
1	Chinese Cuisines	
2	Lucky Ampao	
3	The Dragon Dance	
4	Ominous Bamboo and Flowers	
5	Lantern Fest	
<b>Ages 7-8 (Advanced)</b>		<u>3rd Grade</u>
6	Chinese Musical Instruments	
7	Chinese Temple	
8	The Amazing Chinese People	
9	Gong and Chimes	
10	Feng Shui	



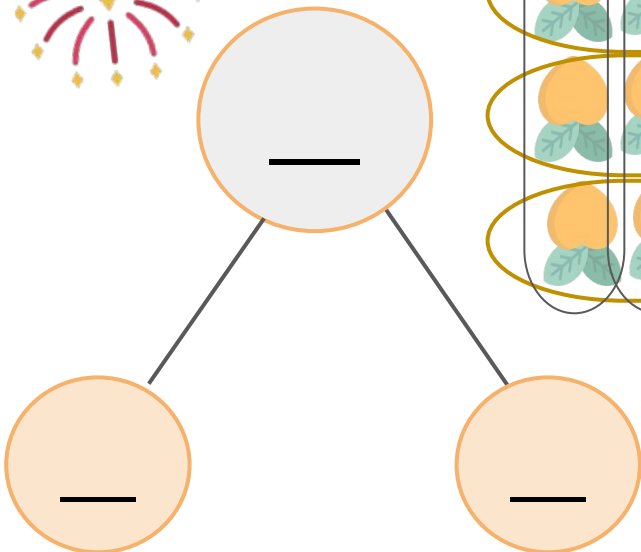
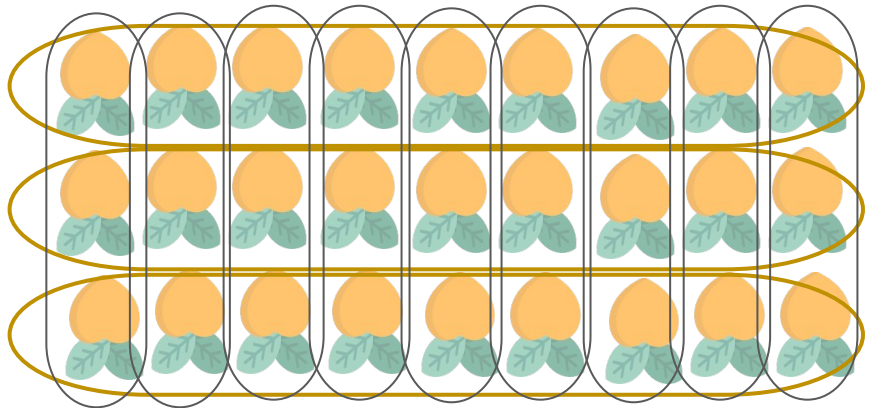
# CHINESE CUISINES

G2  
Basic

Celebrate the Lunar Year or Chinese New Year by trying out these cuisines. Do that by creating the correct number bonds and multiplication sentence.



Vice versa multiplication sentence:



Vice versa multiplication sentence:

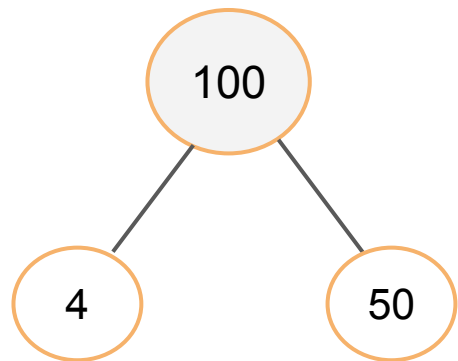
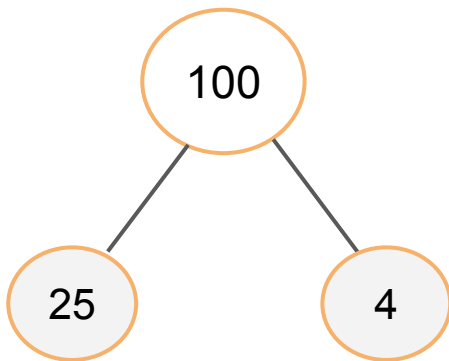


# LUCKY AMPAO

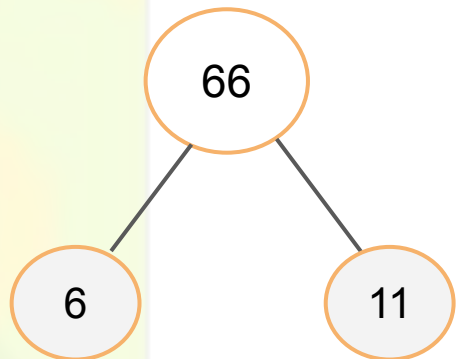
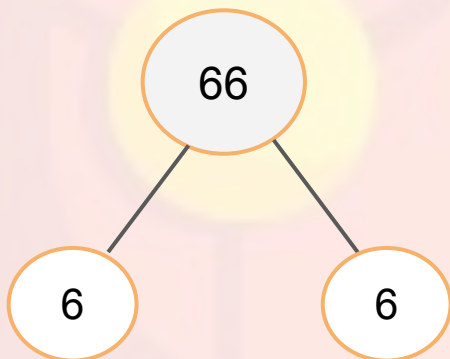
G2  
Basic

Be one of the lucky people to receive ampao with money by answering the questions correctly. Put a check on the number bond that is being asked in the problem.

1.) 4 is one of my factors and I resulted to 100. What number bond am I?



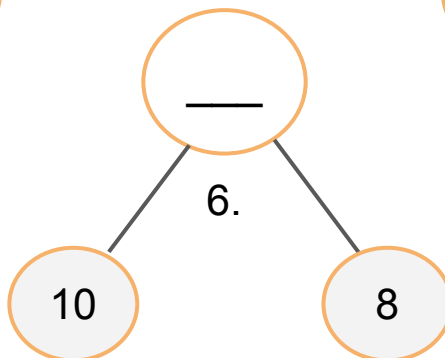
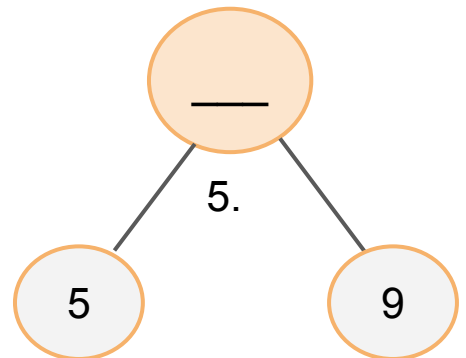
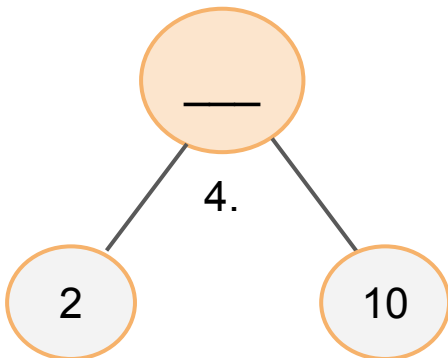
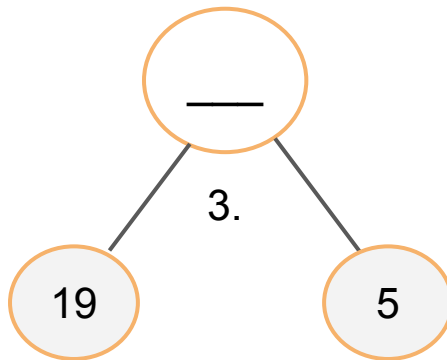
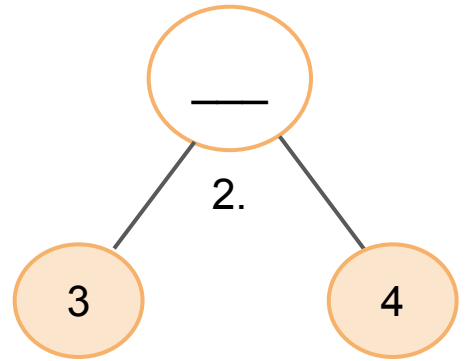
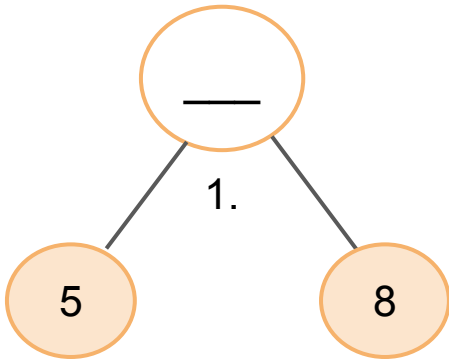
2.) What number bond am I if I have a product of 66 and one of my factor is 6?



# THE DRAGON DANCE

G2  
Basic

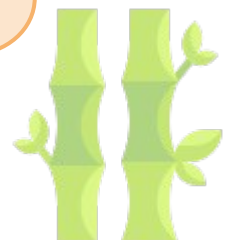
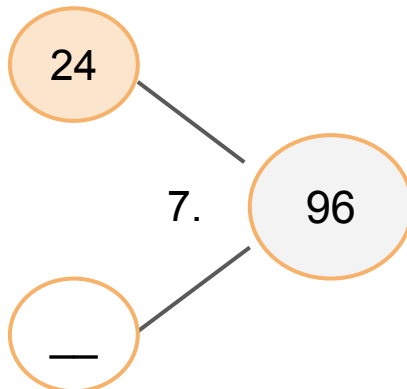
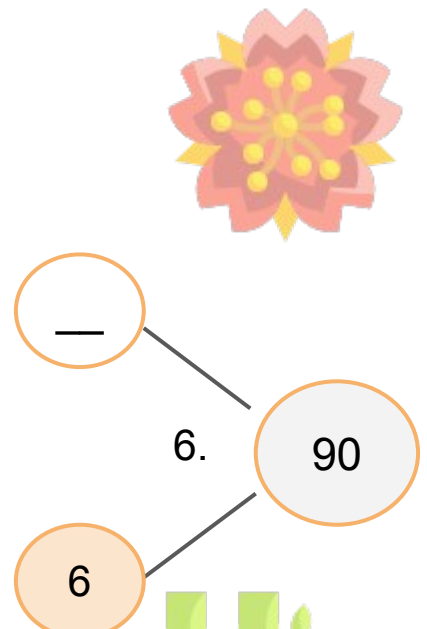
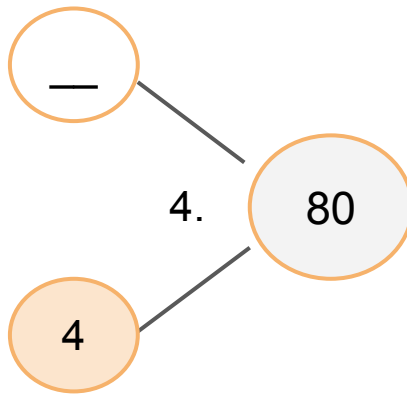
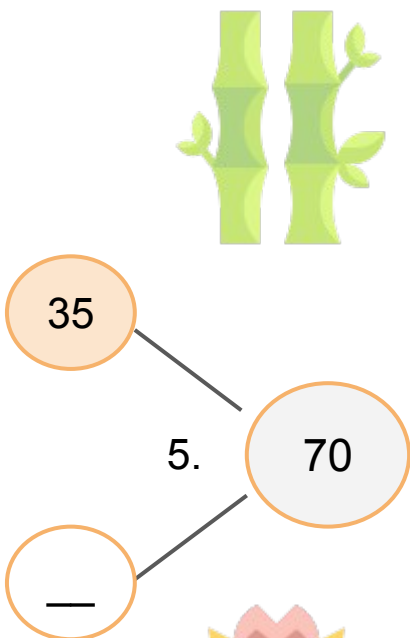
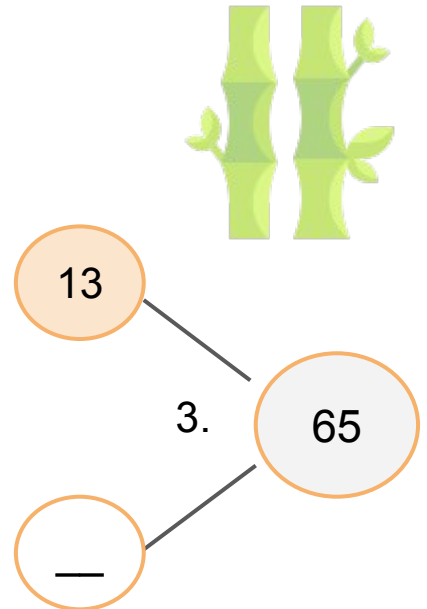
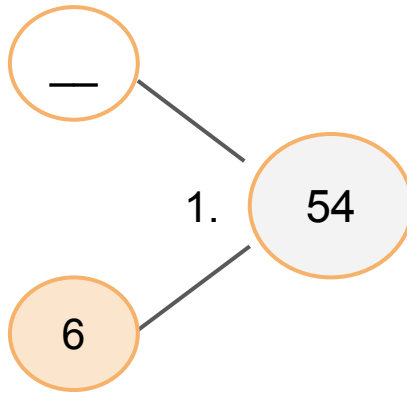
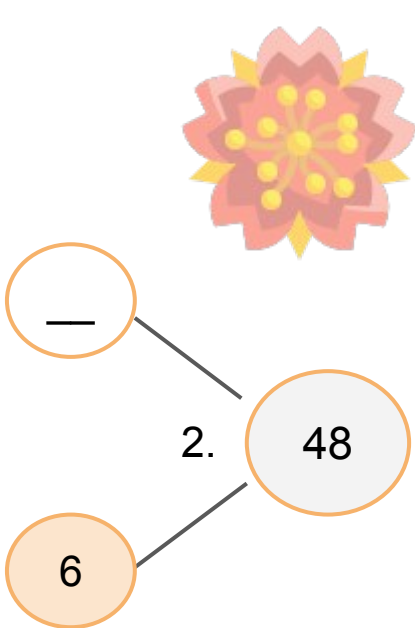
Dance with the dragons by identifying the products of the following number bonds.



# OMINOUS BAMBOO AND FLOWERS

G2  
Basic

Witness the beautiful aura of the bamboos and flowers by identifying the missing factor to complete each number bonds.



# LANTERN FESTIVAL

G2

Basic

**Compete and win the contest by making your own number bonds. The products should be divisible by 10.**

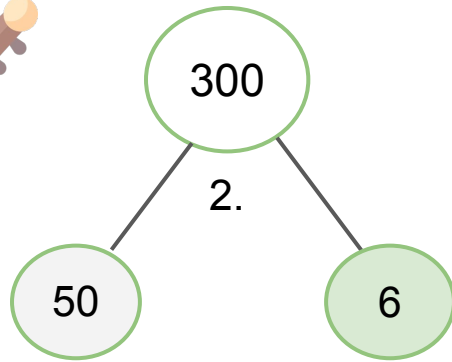
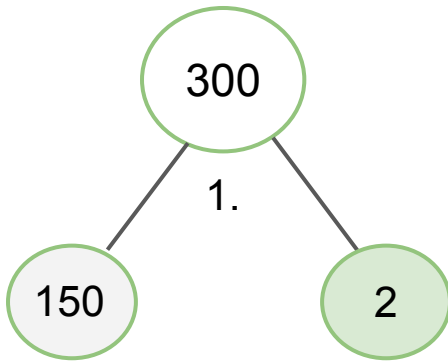




# CHINESE MUSICAL INSTRUMENTS

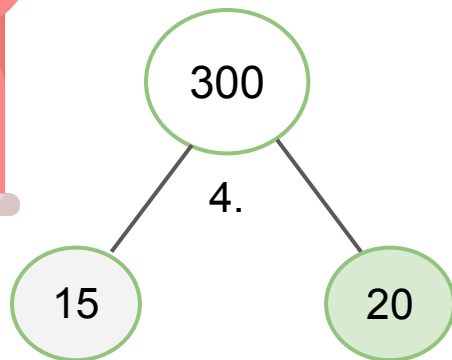
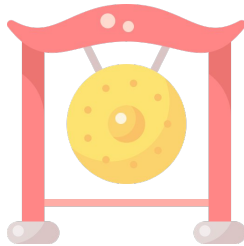
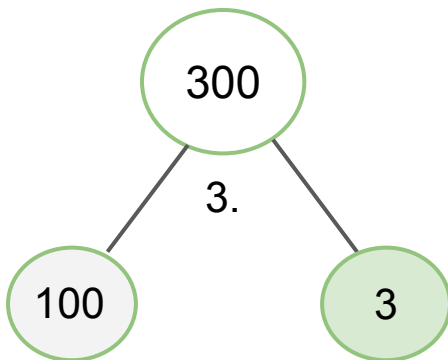
G3  
Advanced

Create Chinese tunes by making fact families from the following number bonds.

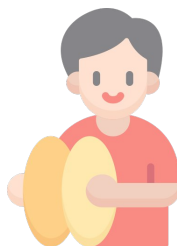


Fact Families of 300

Fact Families of 300



Fact Families of 300








Fact Families of 300



# CHINESE TEMPLE

G3  
Advanced

Get a chance to visit the Chinese temple! Simply write the product of the following number bonds.

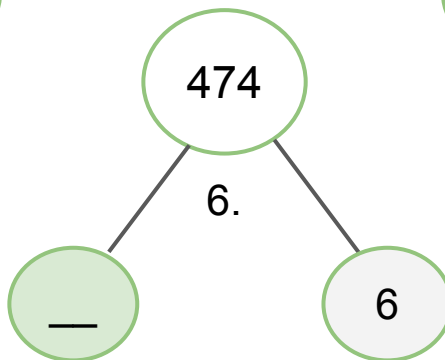
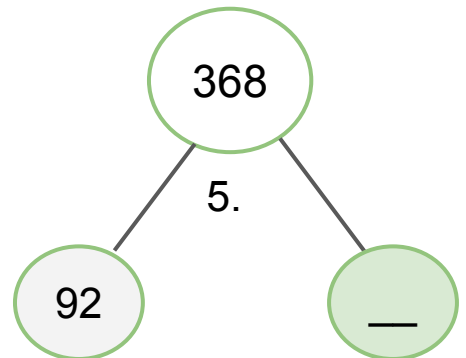
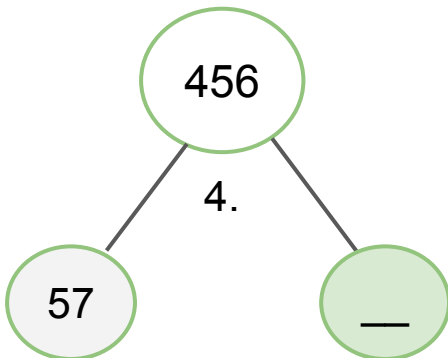
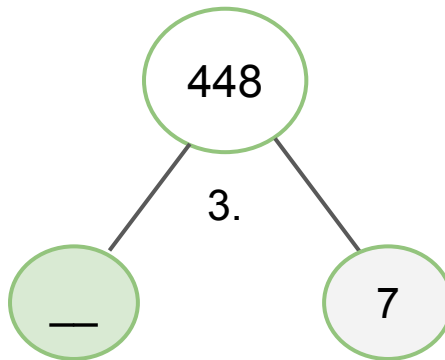
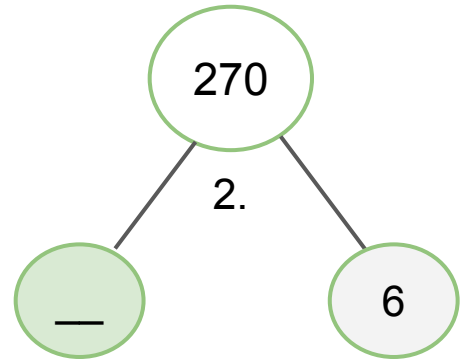
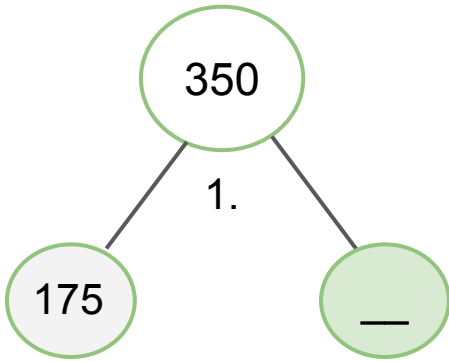
<p>105</p> <p>2.</p> <p>4</p> <p>_____</p>	<p>83</p> <p>1.</p> <p>4</p> <p>_____</p>	<p>97</p> <p>3.</p> <p>5</p> <p>_____</p>
		
<p>54</p> <p>5.</p> <p>7</p> <p>_____</p>	<p>76</p> <p>4.</p> <p>6</p> <p>_____</p>	
	<p>250</p> <p>7.</p> <p>2</p> <p>_____</p>	<p>73</p> <p>6.</p> <p>5</p> <p>_____</p>



# THE AMAZING CHINESE PEOPLE

G3  
Advanced

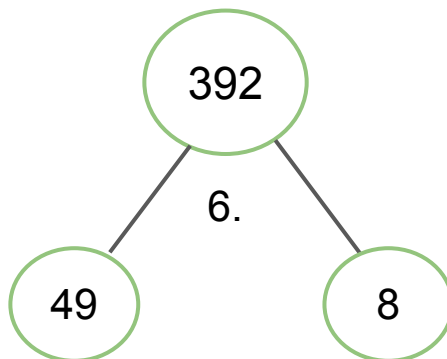
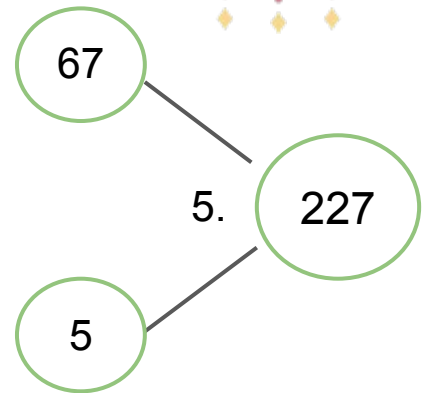
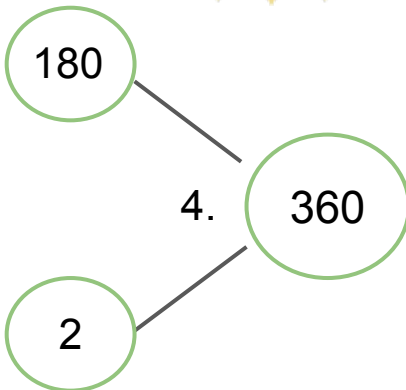
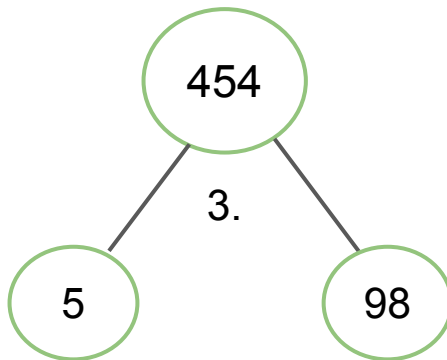
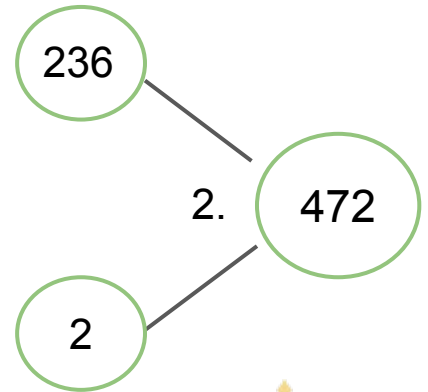
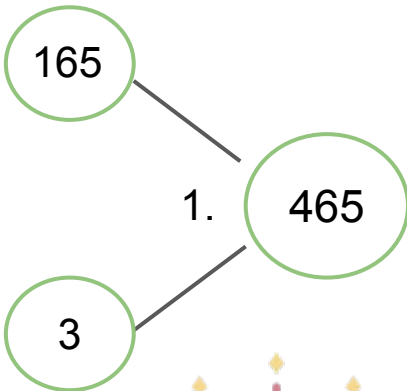
Complete the amazing chinese people you know by Identifying the missing factor of each number bond.



# GONG AND CHIMES

G3  
Advanced

Bring wonderful shades to your gongs and chimes by coloring the number bond green if it shows the correct pattern. Otherwise, color the number bonds red if it is wrong.



# FENG SHUI

G3  
Advanced

**Know your fate by making your own number bonds based on the questions.**

1.) Make 2 number bonds whose product is greater than 150 but less than 250.

2.) Make 1 number bond in which the product is exactly 500.

3.) Make 2 number bonds whose products are greater than 350.



# ANSWER GUIDE

## Activity 1

1.  $7 \times 7 = 49$
2.  $9 \times 3 = 27$

## Activity 2

1.  $25 \times 4 = 100$
2.  $11 \times 6 = 66$

## Activity 3

- |       |       |
|-------|-------|
| 1. 40 | 4. 20 |
| 2. 12 | 5. 45 |
| 3. 95 | 6. 80 |

## Activity 4

- |       |       |
|-------|-------|
| 1. 9  | 5. 2  |
| 2. 8  | 6. 15 |
| 3. 5  | 7. 4  |
| 4. 20 |       |

## Activity 5

Answers may vary.

## Activity 7

- |        |        |
|--------|--------|
| 1. 332 | 5. 378 |
| 2. 420 | 6. 365 |
| 3. 485 | 7. 500 |
| 4. 456 |        |

## Activity 9

- |          |          |
|----------|----------|
| 1. RED   | 4. GREEN |
| 2. GREEN | 5. RED   |
| 3. RED   | 6. GREEN |

## Activity 6

1.  $150 \times 2 = 300$ ;  $2 \times 150 = 300$
2.  $50 \times 6 = 300$ ;  $6 \times 50 = 300$
3.  $100 \times 3 = 300$ ;  $3 \times 100 = 300$
4.  $15 \times 20 = 300$ ;  $20 \times 15 = 300$

## Activity 8

- |       |       |
|-------|-------|
| 1. 2  | 4. 8  |
| 2. 45 | 5. 4  |
| 3. 64 | 6. 79 |

## Activity 10

Answers may vary.



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