

All in the Fact Family

Find the family values with these worksheets on fact families. Your child will whittle down each group to its common denominator to find the family traits that define each group.

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Family Circle

Each circle has three numbers that make up a **fact family**.
Add and subtract using each fact family to fill in the blanks.

17
8 9

$$\begin{array}{r} 9 + 8 = 17 \\ 8 + 9 = 17 \\ 17 - 8 = 9 \\ 17 - 9 = 8 \end{array}$$

19
11 8

$$\begin{array}{r} + \quad = \\ + \quad = \\ - \quad = \\ - \quad = \end{array}$$

14
8 6

$$\begin{array}{r} + \quad = \\ + \quad = \\ - \quad = \\ - \quad = \end{array}$$

13
6 7

$$\begin{array}{r} + \quad = \\ + \quad = \\ - \quad = \\ - \quad = \end{array}$$

11
8 3

$$\begin{array}{r} + \quad = \\ + \quad = \\ - \quad = \\ - \quad = \end{array}$$

9
3 6

$$\begin{array}{r} + \quad = \\ + \quad = \\ - \quad = \\ - \quad = \end{array}$$

22
9 13

$$\begin{array}{r} + \quad = \\ + \quad = \\ - \quad = \\ - \quad = \end{array}$$

15
7 8

$$\begin{array}{r} + \quad = \\ + \quad = \\ - \quad = \\ - \quad = \end{array}$$

ICY FACT FAMILIES

Fill in the missing numbers in the addition and subtraction problems. Then finish the fact families by writing the missing numbers.

$1 + 9 = \underline{\hspace{2cm}}$

$9 + 1 = \underline{\hspace{2cm}}$

$10 - 1 = \underline{\hspace{2cm}}$

$10 - \underline{\hspace{2cm}} = 1$

1 9 10

$6 + 2 = \underline{\hspace{2cm}}$

$2 + \underline{\hspace{2cm}} = 8$

$8 - 6 = \underline{\hspace{2cm}}$

$8 - \underline{\hspace{2cm}} = 6$

8 6 2

$4 + 3 = \underline{\quad}$

$3 + \underline{\quad} = 7$

3

4

$7 - 4 = \underline{\quad}$

$7 - \underline{\quad} = 4$

$3 + 2 = \underline{\quad}$

$2 + \underline{\quad} = 5$

5

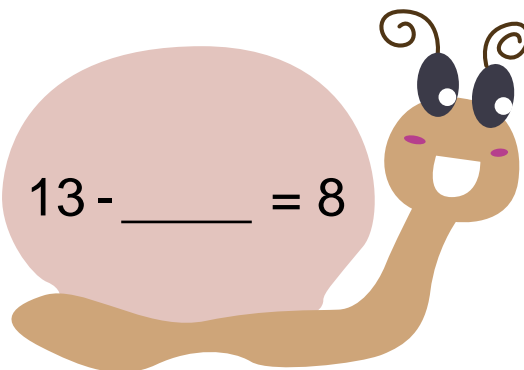
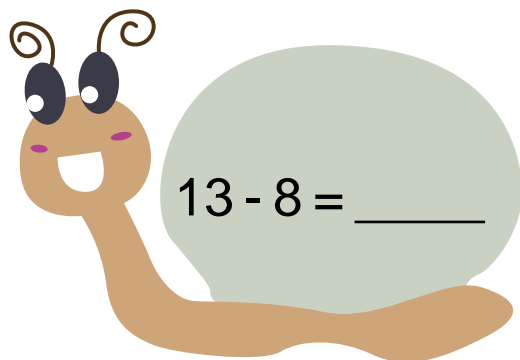
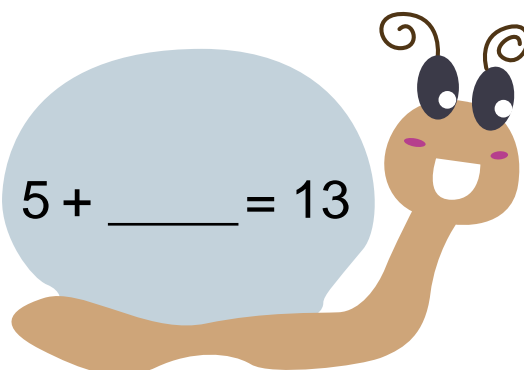
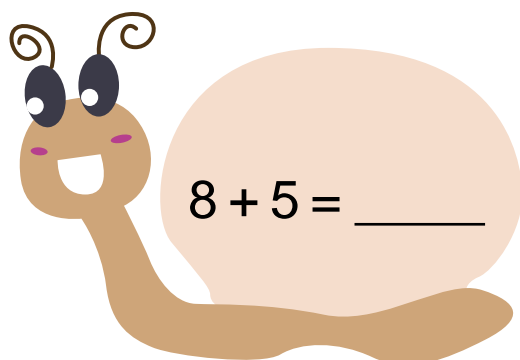
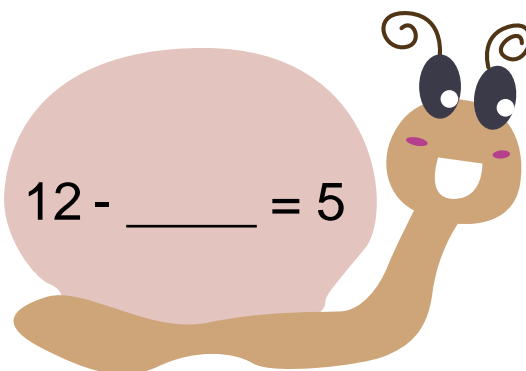
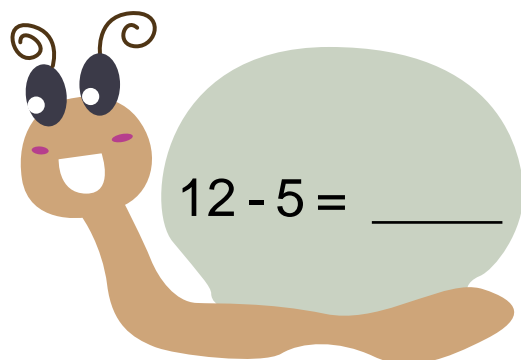
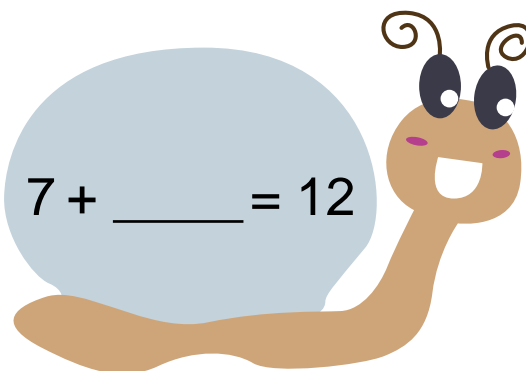
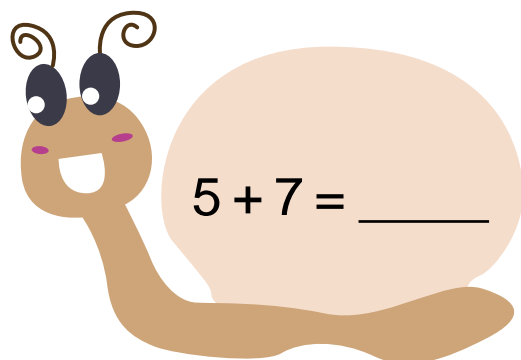
3

$5 - 3 = \underline{\quad}$

$5 - \underline{\quad} = 3$

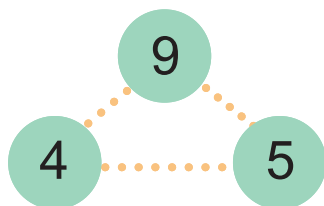
SNAIL FACT FAMILIES

Finish the fact families by writing the missing numbers. Then write the missing third number on the blank leaf.

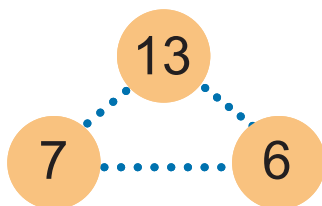


FACT FAMILIES

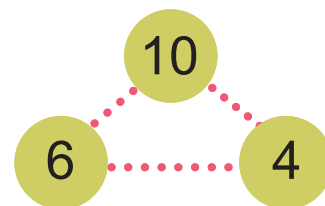
Each rectangle contains the numbers in a **fact family**.
Add or subtract using the three numbers.



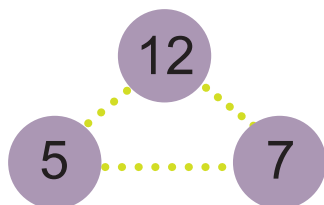
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<hr style="border: none; border-top: 1px solid black; height: 1px; width: 100%;"/>	-	<hr style="border: none; border-top: 1px solid black; height: 1px; width: 100%;"/>	=	<hr style="border: none; border-top: 1px solid black; height: 1px; width: 100%;"/>



_____	+	_____	=	_____
_____	+	_____	=	_____
_____	-	_____	=	_____
_____	-	_____	=	_____



_____	+	_____	=	_____
_____	+	_____	=	_____
_____	-	_____	=	_____
_____	-	_____	=	_____

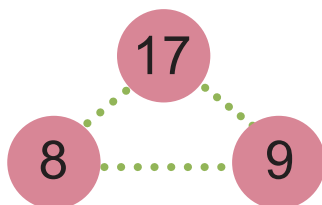


_____ + _____ = _____

_____ + _____ = _____

_____ - _____ = _____

_____ - _____ = _____

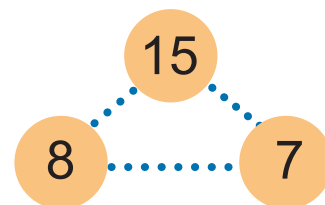


_____ + _____ = _____

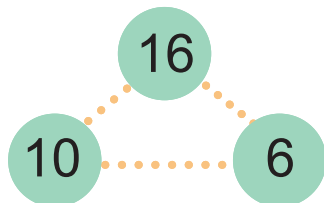
_____ + _____ = _____

_____ - _____ = _____

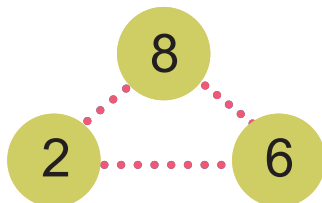
_____ - _____ = _____



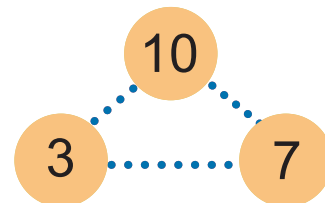
_____	+	_____	=	_____
_____	+	_____	=	_____
_____	-	_____	=	_____
_____	-	_____	=	_____



_____	+	_____	=	_____
_____	+	_____	=	_____
_____	-	_____	=	_____
_____	-	_____	=	_____



_____	+	_____	=	_____
_____	+	_____	=	_____
_____	-	_____	=	_____
_____	-	_____	=	_____



_____	+	_____	=	_____
_____	+	_____	=	_____
_____	-	_____	=	_____
_____	-	_____	=	_____

FACT FAMILY HOUSES

Each triangle contains the numbers in a **fact family**. Add or subtract using the three numbers.

10
2 8

___	+	___	=	___
___	+	___	=	___
___	-	___	=	___
___	-	___	=	___

14
8 6

___	+	___	=	___
___	+	___	=	___
___	-	___	=	___
___	-	___	=	___

13
9 4

___	+	___	=	___
___	+	___	=	___
___	-	___	=	___
___	-	___	=	___

17
11 6

___	+	___	=	___
___	+	___	=	___
___	-	___	=	___
___	-	___	=	___

16
7 9

___	+	___	=	___
___	+	___	=	___
___	-	___	=	___
___	-	___	=	___

11
6 5

___	+	___	=	___
___	+	___	=	___
___	-	___	=	___
___	-	___	=	___

14
5 9

___	+	___	=	___
___	+	___	=	___
___	-	___	=	___
___	-	___	=	___

20
5 15

___	+	___	=	___
___	+	___	=	___
___	-	___	=	___
___	-	___	=	___

12
4 8

___	+	___	=	___
___	+	___	=	___
___	-	___	=	___
___	-	___	=	___

Addition Facts

Multiplication problems can also be expressed with addition. Write the addition facts that go with each multiplication sentence. The first one is done for you.

$$3 \times 7 = 3 + 3 + 3 + 3 + 3 + 3 + 3$$

$$5 \times 4 =$$

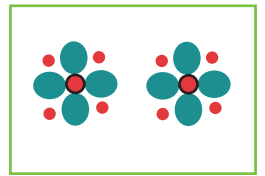
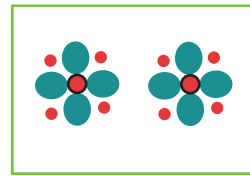
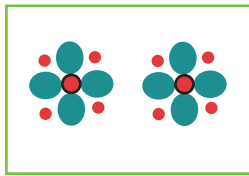
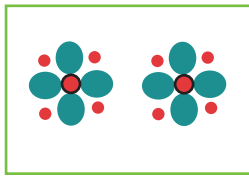
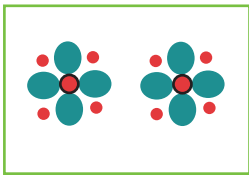
$$6 \times 2 =$$

$$10 \times 5 =$$

$$7 \times 7 =$$

$$9 \times 4 =$$

Look at the pictures below.

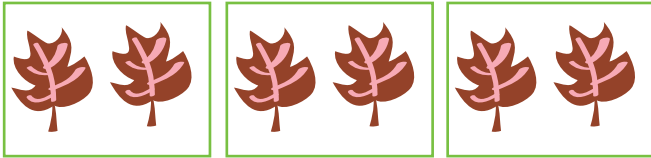


Write the addition fact:

Write the multiplication sentence:

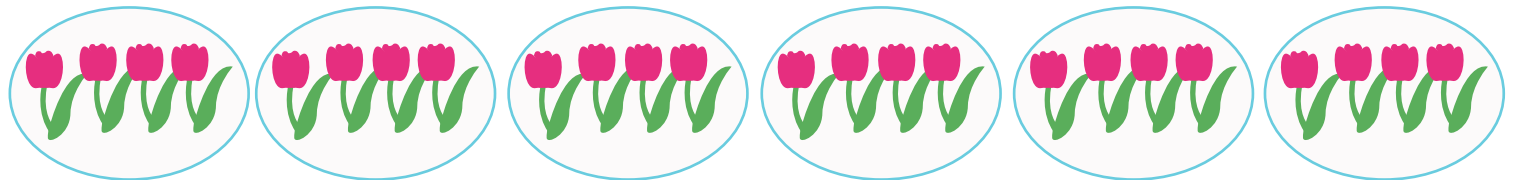
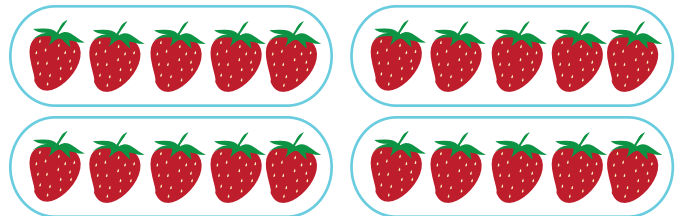
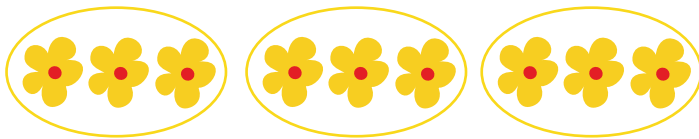
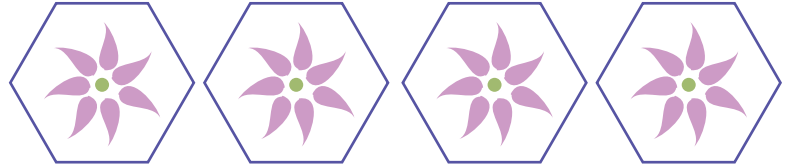
Making Multiplication Sentences

Look at each picture below. Write both the addition and multiplication facts that illustrate each picture. The first one is done for you.



$$2 + 2 + 2$$

$$2 \times 3 = 6$$



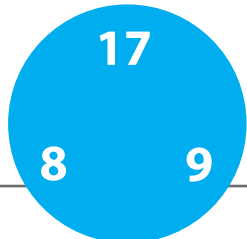
Answer Sheets

All in the Fact Family

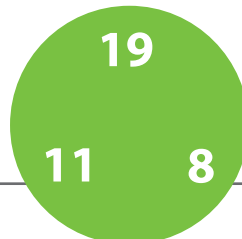
- Fact Families
- Icy Fact Families
- Snail Fact Families
- Fact Families
- Fact Family Houses
- Related Facts: Write the Addition Facts
- Related Facts: Make Multiplication Sentences

Family Circle

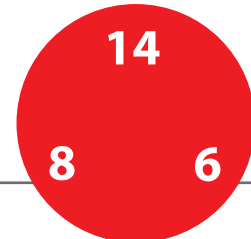
Each circle has three numbers that make up a **fact family**.
Add and subtract using each fact family to fill in the blanks.



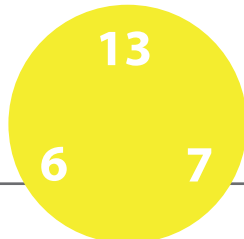
$$\begin{array}{r} 9 + 8 = 17 \\ 8 + 9 = 17 \\ 17 - 8 = 9 \\ 17 - 9 = 8 \end{array}$$



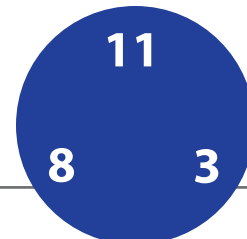
$$\begin{array}{r} 11 + 8 = 19 \\ 8 + 11 = 19 \\ 19 - 8 = 11 \\ 19 - 11 = 8 \end{array}$$



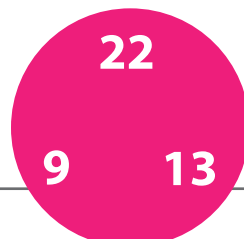
$$\begin{array}{r} 8 + 6 = 14 \\ 6 + 8 = 14 \\ 14 - 6 = 8 \\ 14 - 8 = 6 \end{array}$$



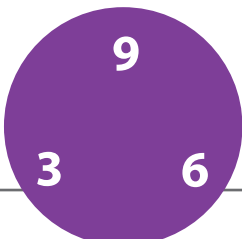
$$\begin{array}{r} 7 + 6 = 13 \\ 6 + 7 = 13 \\ 13 - 6 = 7 \\ 13 - 7 = 6 \end{array}$$



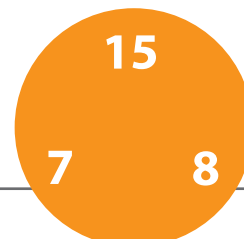
$$\begin{array}{r} 8 + 3 = 11 \\ 3 + 8 = 11 \\ 11 - 8 = 3 \\ 11 - 3 = 8 \end{array}$$



$$\begin{array}{r} 13 + 9 = 22 \\ 9 + 13 = 22 \\ 22 - 9 = 13 \\ 22 - 13 = 9 \end{array}$$



$$\begin{array}{r} 6 + 3 = 9 \\ 3 + 6 = 9 \\ 9 - 6 = 3 \\ 9 - 3 = 6 \end{array}$$



$$\begin{array}{r} 8 + 7 = 15 \\ 7 + 8 = 15 \\ 15 - 8 = 7 \\ 15 - 7 = 8 \end{array}$$

ICY FACT FAMILIES

Fill in the missing numbers in the addition and subtraction problems. Then finish the fact families by writing the missing numbers.

$1 + 9 = 10$

$9 + 1 = 10$

$10 - 1 = 9$

$10 - 9 = 1$

$6 + 2 = 8$

$2 + 6 = 8$

$8 - 6 = 2$

$8 - 2 = 6$

$$4 + 3 = \underline{7}$$

$$3 + \underline{4} = 7$$

7

3

4

$$7 - 4 = \underline{3}$$

$$7 - \underline{3} = 4$$

$$3 + 2 = \underline{5}$$

$$2 + \underline{3} = 5$$

5

2

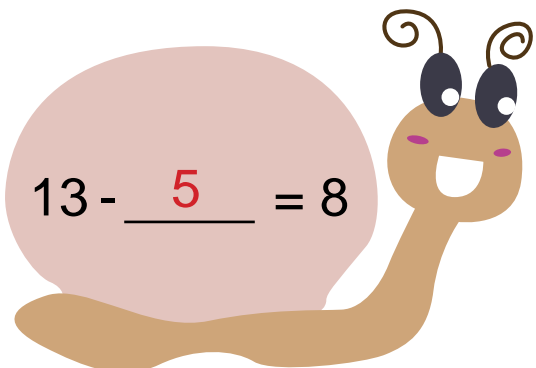
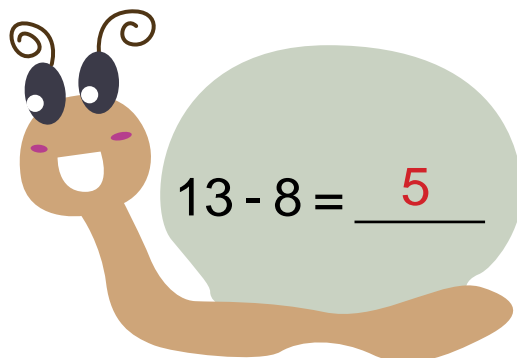
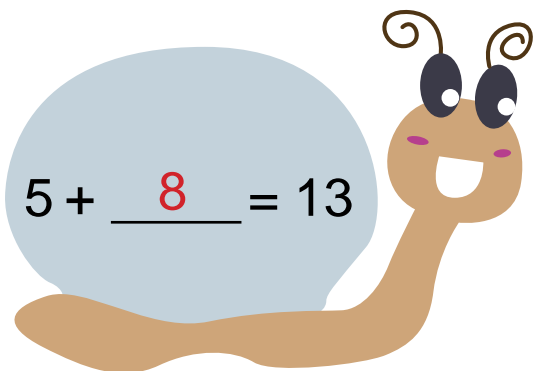
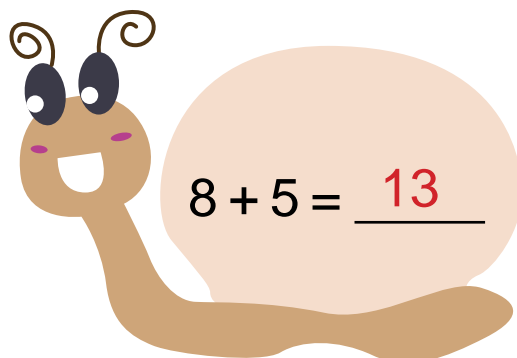
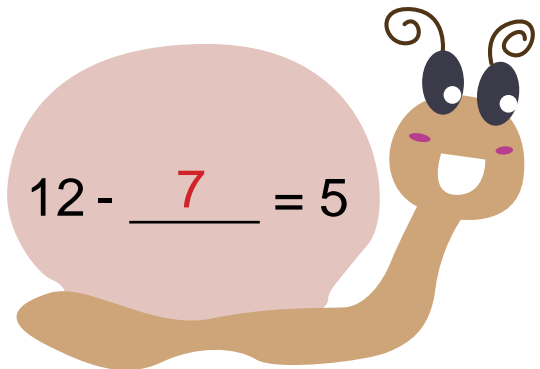
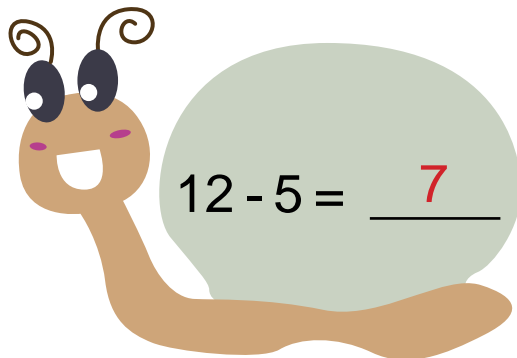
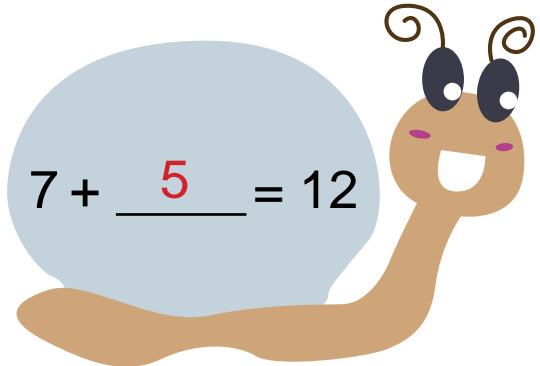
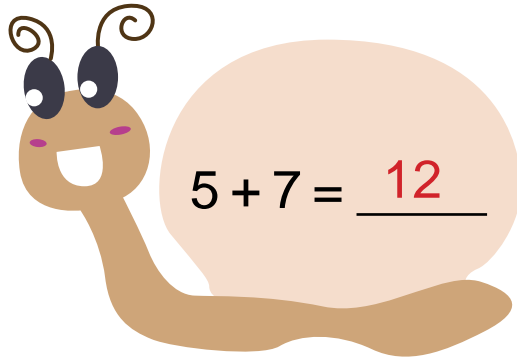
3

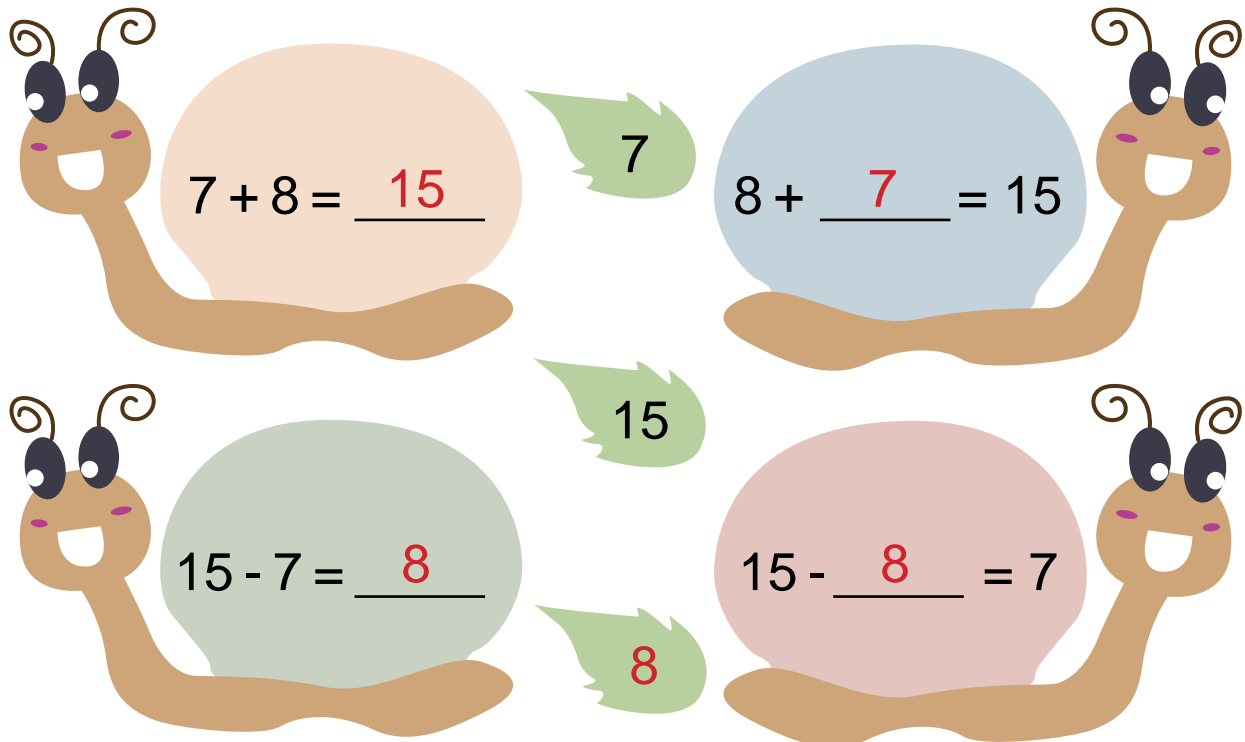
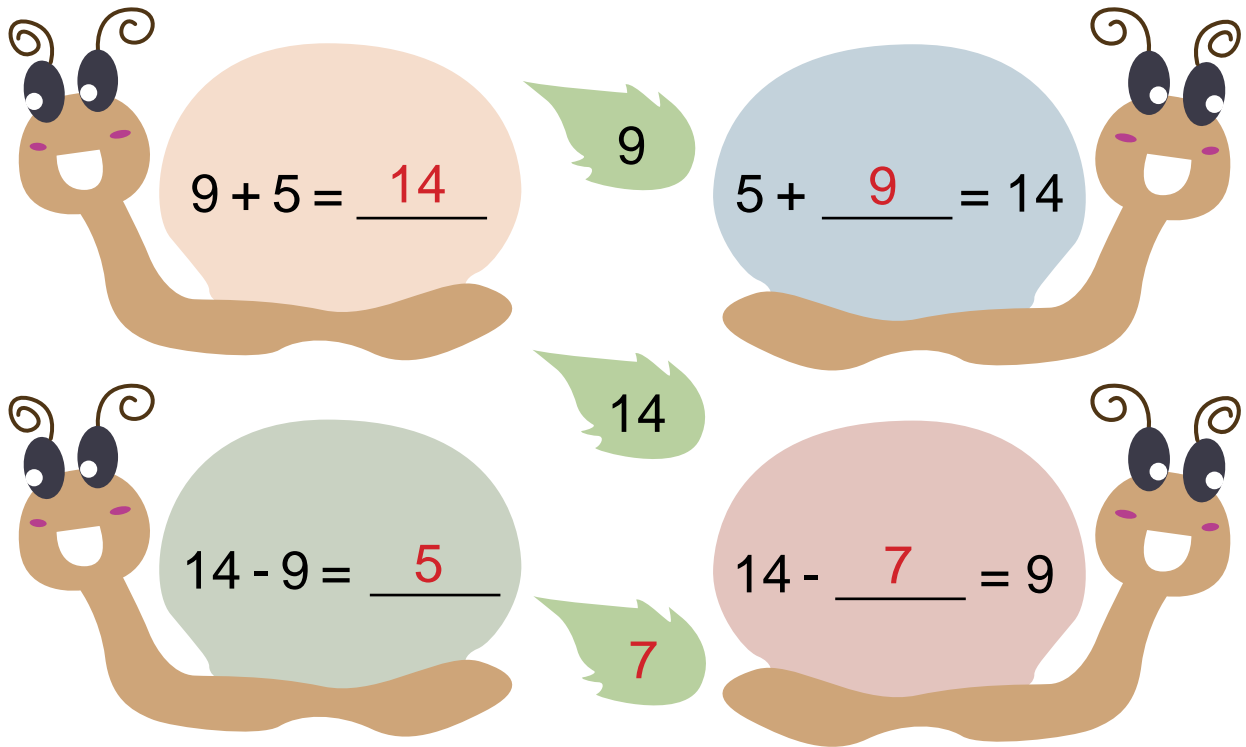
$$5 - 3 = \underline{2}$$

$$5 - \underline{2} = 3$$

SNAIL FACT FAMILIES

Finish the fact families by writing the missing numbers. Then write the missing third number on the blank leaf.

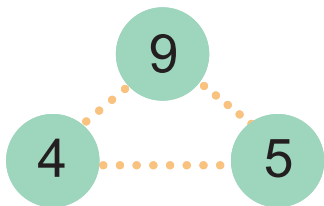




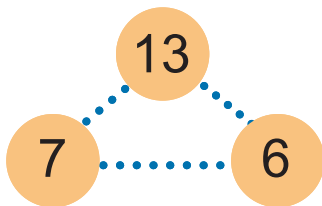
Answer Key

Each rectangle contains the numbers in a **fact family**.

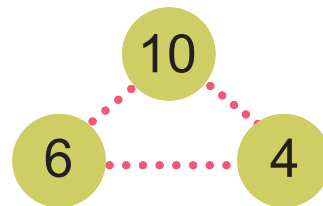
Add or subtract using the three numbers.



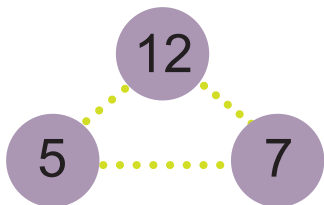
$$\begin{array}{r} 4 \\ \hline \end{array} + \begin{array}{r} 5 \\ \hline \end{array} = \begin{array}{r} 9 \\ \hline \end{array}$$
$$\begin{array}{r} 5 \\ \hline \end{array} + \begin{array}{r} 4 \\ \hline \end{array} = \begin{array}{r} 9 \\ \hline \end{array}$$
$$\begin{array}{r} 9 \\ \hline \end{array} - \begin{array}{r} 4 \\ \hline \end{array} = \begin{array}{r} 5 \\ \hline \end{array}$$
$$\begin{array}{r} 9 \\ \hline \end{array} - \begin{array}{r} 5 \\ \hline \end{array} = \begin{array}{r} 4 \\ \hline \end{array}$$



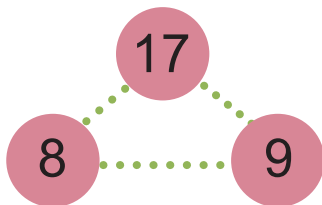
$$\begin{array}{r} 7 \\ \hline \end{array} + \begin{array}{r} 6 \\ \hline \end{array} = \begin{array}{r} 13 \\ \hline \end{array}$$
$$\begin{array}{r} 6 \\ \hline \end{array} + \begin{array}{r} 7 \\ \hline \end{array} = \begin{array}{r} 13 \\ \hline \end{array}$$
$$\begin{array}{r} 13 \\ \hline \end{array} - \begin{array}{r} 6 \\ \hline \end{array} = \begin{array}{r} 7 \\ \hline \end{array}$$
$$\begin{array}{r} 13 \\ \hline \end{array} - \begin{array}{r} 7 \\ \hline \end{array} = \begin{array}{r} 6 \\ \hline \end{array}$$



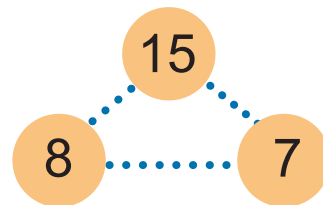
$$\begin{array}{r} 6 \\ \hline \end{array} + \begin{array}{r} 4 \\ \hline \end{array} = 10$$
$$\begin{array}{r} 4 \\ \hline \end{array} + \begin{array}{r} 6 \\ \hline \end{array} = 10$$
$$\begin{array}{r} 10 \\ \hline \end{array} - \begin{array}{r} 6 \\ \hline \end{array} = 4$$
$$\begin{array}{r} 10 \\ \hline \end{array} - \begin{array}{r} 4 \\ \hline \end{array} = 6$$



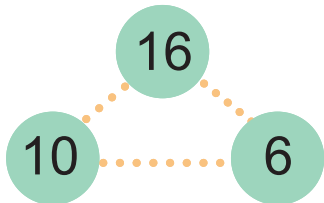
$$\begin{array}{r} 7 \\ \hline \end{array} + \begin{array}{r} 5 \\ \hline \end{array} = \begin{array}{r} 12 \\ \hline \end{array}$$
$$\begin{array}{r} 5 \\ \hline \end{array} + \begin{array}{r} 7 \\ \hline \end{array} = \begin{array}{r} 12 \\ \hline \end{array}$$
$$\begin{array}{r} 12 \\ \hline \end{array} - \begin{array}{r} 7 \\ \hline \end{array} = \begin{array}{r} 5 \\ \hline \end{array}$$
$$\begin{array}{r} 12 \\ \hline \end{array} - \begin{array}{r} 5 \\ \hline \end{array} = \begin{array}{r} 7 \\ \hline \end{array}$$



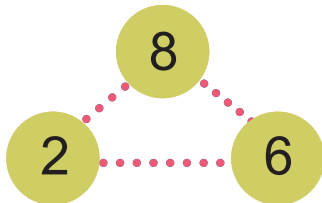
$$\begin{array}{r} 8 \\ \hline \end{array} + \begin{array}{r} 9 \\ \hline \end{array} = \begin{array}{r} 17 \\ \hline \end{array}$$
$$\begin{array}{r} 9 \\ \hline \end{array} + \begin{array}{r} 8 \\ \hline \end{array} = \begin{array}{r} 17 \\ \hline \end{array}$$
$$\begin{array}{r} 17 \\ \hline \end{array} - \begin{array}{r} 8 \\ \hline \end{array} = \begin{array}{r} 9 \\ \hline \end{array}$$
$$\begin{array}{r} 17 \\ \hline \end{array} - \begin{array}{r} 9 \\ \hline \end{array} = \begin{array}{r} 8 \\ \hline \end{array}$$



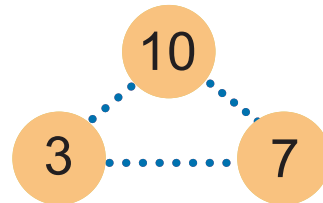
$$\begin{array}{r} 8 \\ \hline \end{array} + \begin{array}{r} 7 \\ \hline \end{array} = \begin{array}{r} 15 \\ \hline \end{array}$$
$$\begin{array}{r} 7 \\ \hline \end{array} + \begin{array}{r} 8 \\ \hline \end{array} = \begin{array}{r} 15 \\ \hline \end{array}$$
$$\begin{array}{r} 15 \\ \hline \end{array} - \begin{array}{r} 8 \\ \hline \end{array} = \begin{array}{r} 7 \\ \hline \end{array}$$
$$\begin{array}{r} 15 \\ \hline \end{array} - \begin{array}{r} 7 \\ \hline \end{array} = \begin{array}{r} 8 \\ \hline \end{array}$$



$$\begin{array}{r} 10 \\ \hline 8 \end{array} + \begin{array}{r} 6 \\ \hline 10 \end{array} = \begin{array}{r} 16 \\ \hline 16 \end{array}$$
$$\begin{array}{r} 16 \\ \hline 16 \end{array} - \begin{array}{r} 10 \\ \hline 6 \end{array} = \begin{array}{r} 6 \\ \hline 10 \end{array}$$



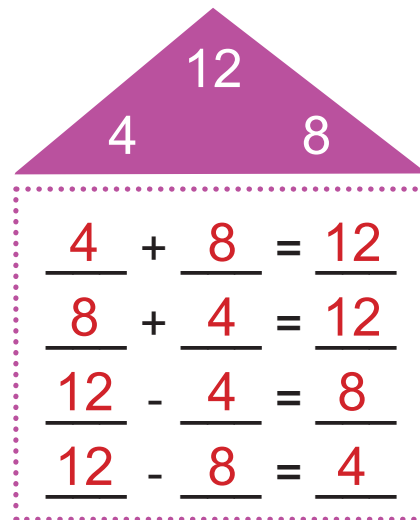
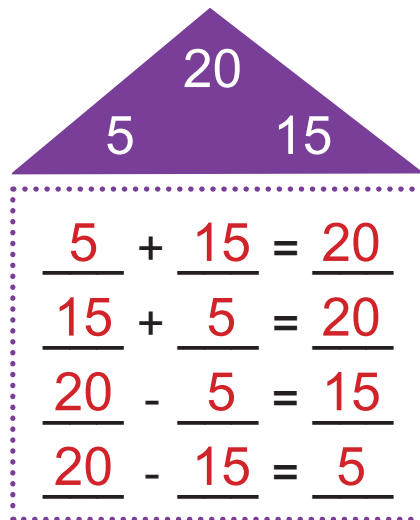
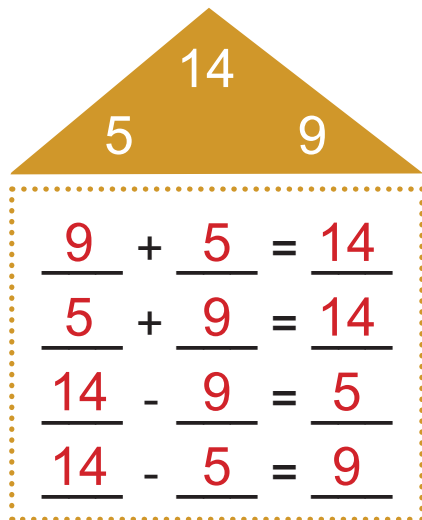
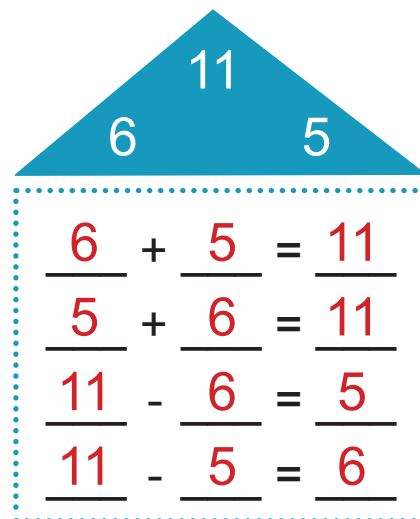
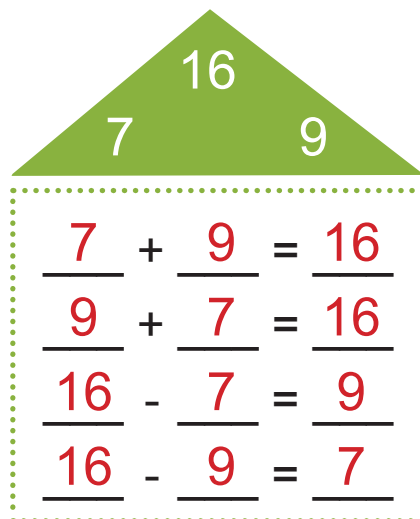
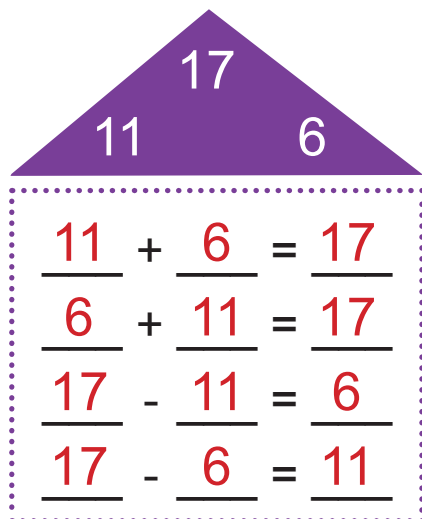
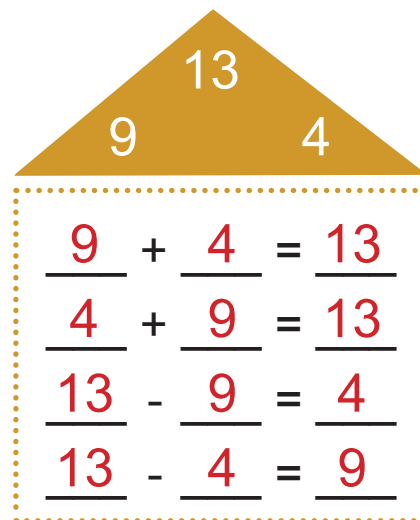
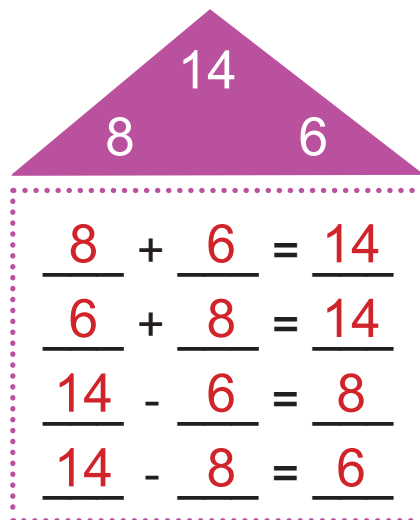
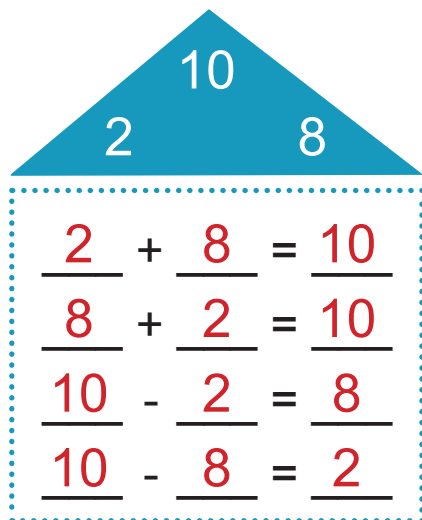
$$\begin{array}{r} 2 \\ \hline \end{array} + \begin{array}{r} 6 \\ \hline \end{array} = \begin{array}{r} 8 \\ \hline \end{array}$$
$$\begin{array}{r} 6 \\ \hline \end{array} + \begin{array}{r} 2 \\ \hline \end{array} = \begin{array}{r} 8 \\ \hline \end{array}$$
$$\begin{array}{r} 8 \\ \hline \end{array} - \begin{array}{r} 2 \\ \hline \end{array} = \begin{array}{r} 6 \\ \hline \end{array}$$
$$\begin{array}{r} 8 \\ \hline \end{array} - \begin{array}{r} 6 \\ \hline \end{array} = \begin{array}{r} 2 \\ \hline \end{array}$$



$$\begin{array}{r} 3 \\ \hline \end{array} + \begin{array}{r} 7 \\ \hline \end{array} = 10$$
$$\begin{array}{r} 7 \\ \hline \end{array} + \begin{array}{r} 3 \\ \hline \end{array} = 10$$
$$\begin{array}{r} 10 \\ \hline \end{array} - \begin{array}{r} 3 \\ \hline \end{array} = 7$$
$$\begin{array}{r} 10 \\ \hline \end{array} - \begin{array}{r} 7 \\ \hline \end{array} = 3$$

FACT FAMILY HOUSES

Each triangle contains the numbers in a **fact family**. Add or subtract using the three numbers.



ANSWER SHEET

Addition Facts

Math
Addition
&
Multiplication

Multiplication problems can also be expressed with addition. Write the addition facts that go with each multiplication sentence. The first one is done for you.

$$3 \times 7 = 3 + 3 + 3 + 3 + 3 + 3 + 3$$

$$5 \times 4 = 5 + 5 + 5 + 5$$

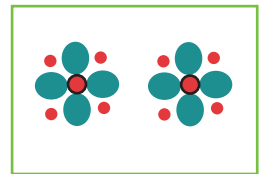
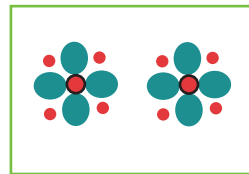
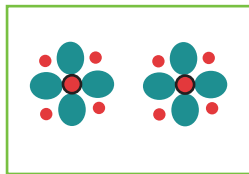
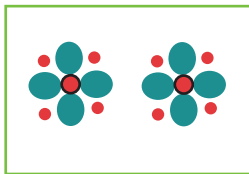
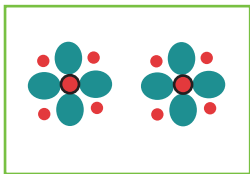
$$6 \times 2 = 6 + 6$$

$$10 \times 5 = 10 + 10 + 10 + 10 + 10$$

$$7 \times 7 = 7 + 7 + 7 + 7 + 7 + 7 + 7$$

$$9 \times 4 = 9 + 9 + 9 + 9$$

Look at the pictures below.



$$2 + 2 + 2 + 2 + 2$$

Write the addition fact:

$$2 \times 5$$

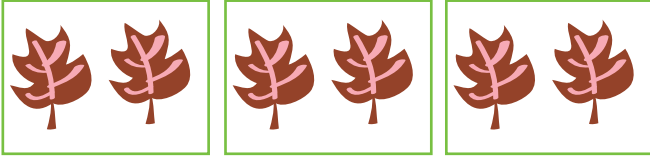
Write the multiplication sentence:

ANSWER SHEET

Math
Multiplication

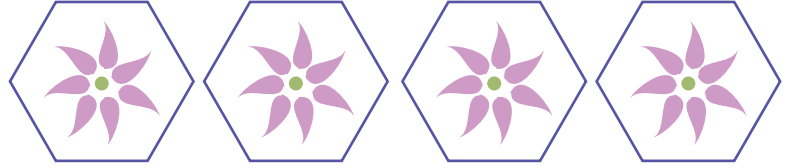
Making Multiplication Sentences

Look at each picture below. Write both the addition and multiplication facts that illustrate each picture. The first one is done for you.



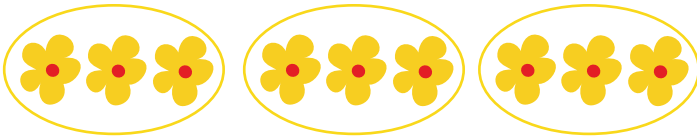
$$2 + 2 + 2$$

$$2 \times 3 = 6$$



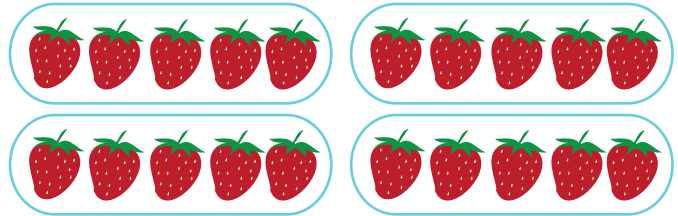
$$1 + 1 + 1 + 1$$

$$1 \times 4 = 4$$



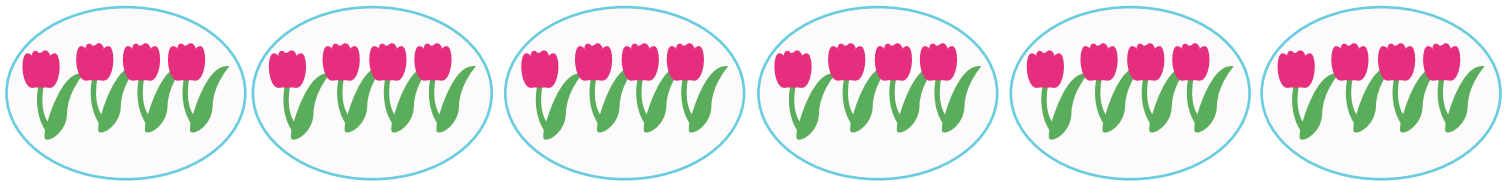
$$3 + 3 + 3$$

$$3 \times 3 = 9$$



$$5 + 5 + 5 + 5$$

$$5 \times 4 = 20$$



$$4 + 4 + 4 + 4 + 4 + 4$$

$$4 \times 6 = 24$$