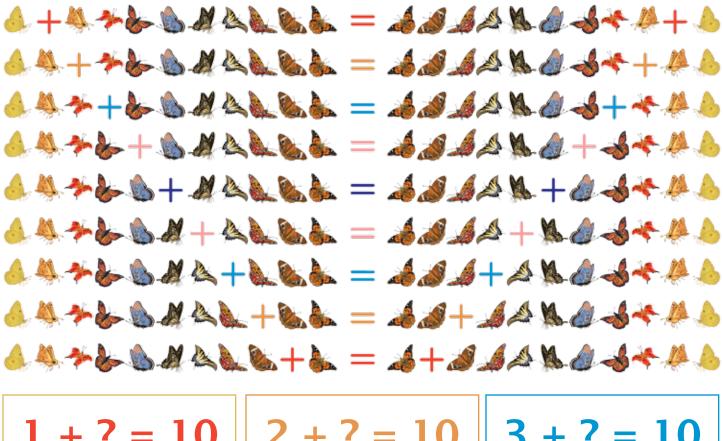
For Creative Minds

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Numbers and Patterns

What are some number combinations that add up to ten?

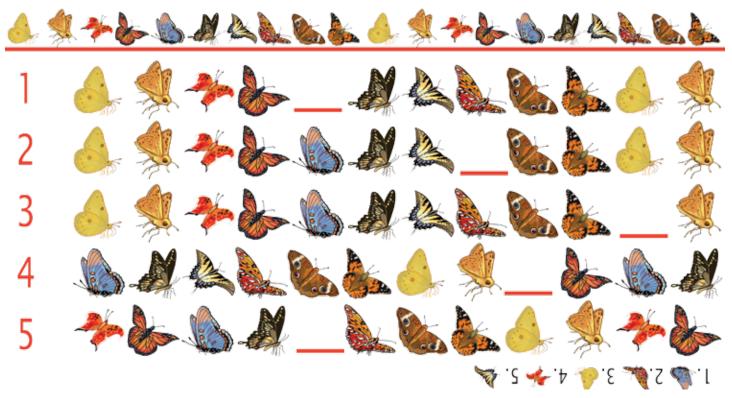


1 + ? = 10	2 + ? = 10	3 + ? = 10
4 + ? = 10	5 + ? = 10	6 + ? = 10
7 + ? = 10	8 + ? = 10	9 + ? = 10

Do you see a pattern in the number of butterflies that Ed and Rose caught and released each day?

Day	Ed	Rose	Total
one	10	0	10
two	9	1	10
three	8	2	10
four	7	3	10
five	6	4	10
six	5	5	10
seven	4	6	10
eight	3	7	10
nine	2	8	10
ten	1	9	10
last day	0	10 + hatchling	11
Total	55	56	111

Use the repeating pattern of butterflies shown below to identify the missing butterfly in each of the following patterns.



Butterfly Body Parts

Butterflies are insects. They do not have a backbone as we do. They have a hard, outer covering called an exoskeleton.

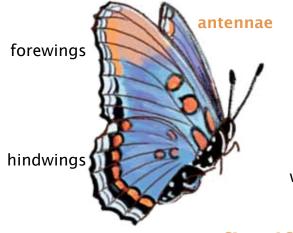
All adult insects have three main body parts: head, thorax, and abdomen.

The eyes, antennae, and mouthparts are on the head.

Wings and legs attach to the thorax.

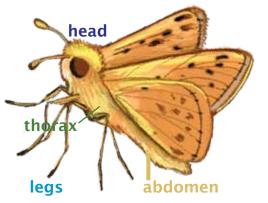
The heart and body organs are in the abdomen.

Butterflies use their two antennae to "smell."



Their "mouths" (proboscis) are like curled-up straws that uncurl when they drink.

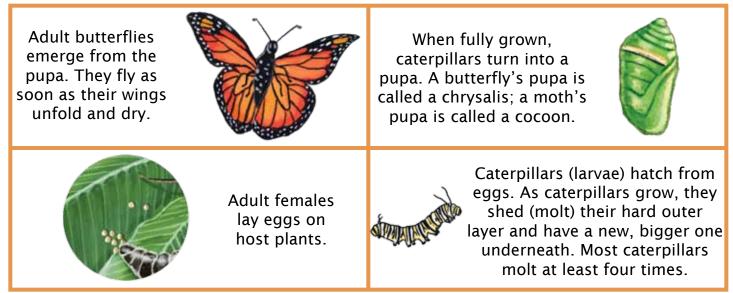
All butterflies have four wings: forewings in front and hindwings in back.



They have six legs and feet. Not all are easily seen. They "taste" with their feet.

Butterfly Life Cycle Sequencing Activity

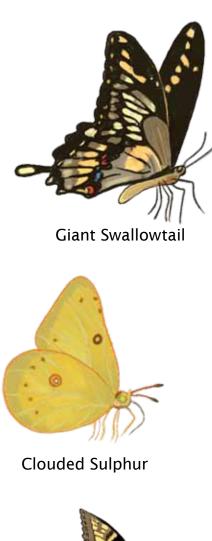
Butterflies undergo a complete metamorphosis: a series of changes in the body form during their life cycle. Can you put the butterfly life cycle in order? Answers are upside down below.



noths), pupa, and adult.

Answer: May start with either eggs or adults. Ceneral order is egg, larva (caterpillar for butterflies or

How are the butterflies alike and how are they different? To compare the butterflies at different stages of their life cylces, by size, etc. see the free online activites.





Monarch



Common Buckeye



Red-spotted Purple



Question Mark



Western Tiger Swallowtail



Fiery Skipper



Painted Lady



Gulf Fritalary