## TRIANGLE FLASH CARDS

## Triangle Flash

The student will demonstrate an understanding of mathematical relations, functions, and Objective:

other algebraic concepts.

Triangle Flash Cards Material:

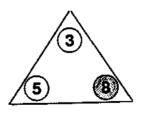
Procedure: Triangle flash cards are an excellent alternative to regular flash cards for learning the addition and multiplication facts. These cards allow students the opportunity to study addition and subtraction facts or multiplication and division facts at the same time. They

also reinforce the idea that addition and subtraction, and multiplication and division are related operations. The flash cards should be duplicated on card stock and laminated to

make them last longer. Cut the flash cards into triangles along the lines.

## **Additional Flash Cards**

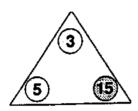
To use the triangle flash cards, place all of the cards in a stack with the number sides face down. The student picks up a card by the corner being sure to cover the underside of one of the corners with his/her thumb. If the two circles that are showing have the same pattern, the student adds the two numbers that are showing and the answer is under his/her thumb. If the two circles that are showing have different patterns, then the student subtracts the smaller number from the larger number and the answer is under his/her thumb. Be sure that you emphasize subtracting the smaller number from the larger number because we are working on basic facts and do not wish to get negative answers. Using the card below as an example, the student could pick up the card with his/her thumb over the 8. Because the two circles that would be showing both have the same background, the student would add the 3 and the 5 and the answer (8) would be under his/her thumb. If the student picked up the card with his/her thumb over the 3, the two remaining circles would have different backgrounds. Therefore, the student would subtract 5 from 8 and the answer (3) would be under his/her thumb.



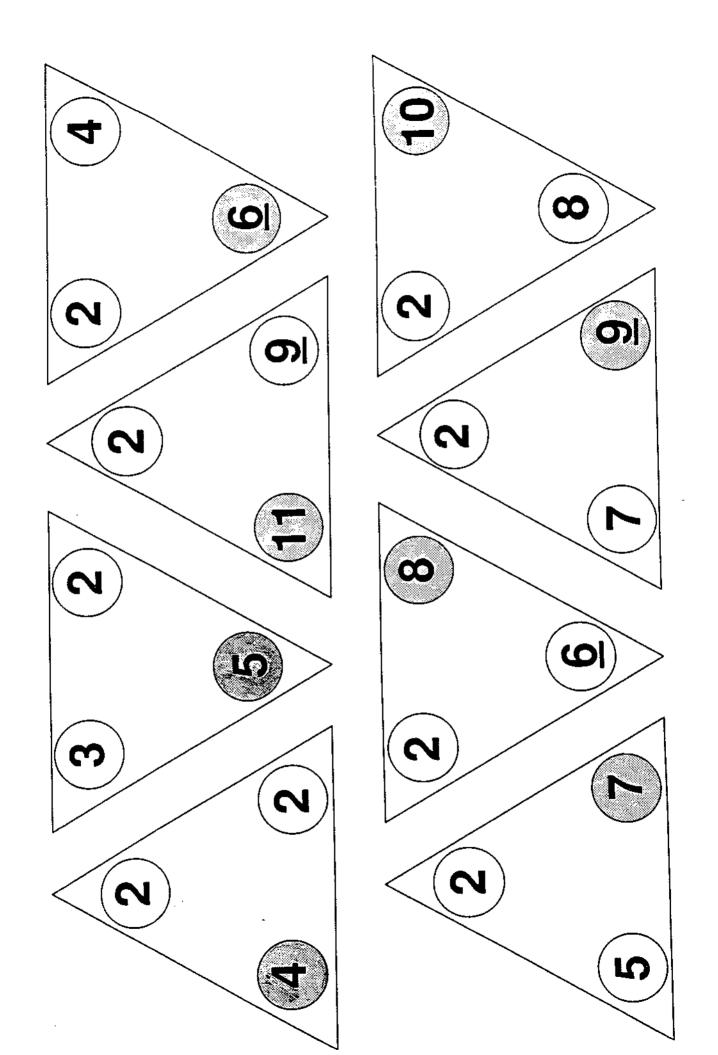
**Multiplication Flash Cards** 

To use the triangle flash cards, place all of the cards in a stack with the number sides face down. The student picks up a card by the corner being sure to cover the underside of one of the corners with his/her thumb. If the two circles that are showing have the same pattern, the student multiplies the two numbers that are showing and the answer is under his/her thumb. If the two circles that are showing have different patterns, then the student divides the larger number by the smaller number and the answer is under his/her thumb.

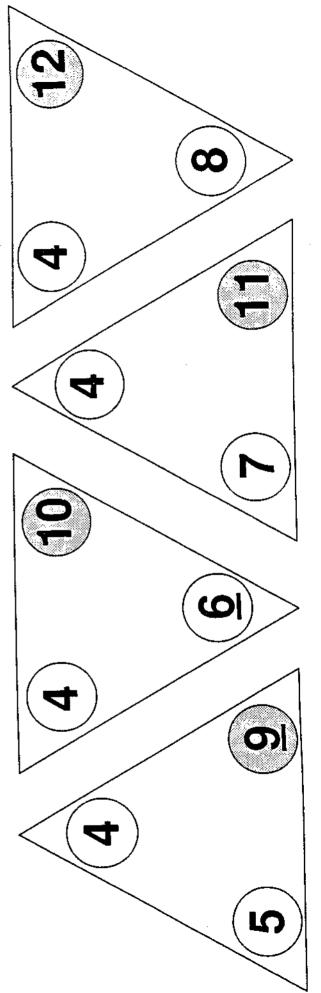
Be sure to emphasize dividing the larger number by the smaller number because we are working on basic facts and do not want to get fractional answers. Using the card below as an example, the student could pick up the card with his/her thumb over the 15. Because the two circles that would be showing both have the same background, the student would multiply the 3 and the 5 and the answer (15) would be under his/her thumb. If the student picked up the card with his/her thumb over the 3, the two remaining circles would have different backgrounds. Therefore, the student would divide 15 by 5 and the answer (3) would be under his/her thumb.



This exercise can be turned into a game by having two or more students working together. The first student would pick a card from the deck and give the answer. If the answer is correct, the student keeps the card. If the answer is incorrect, the student places the card at the bottom of the stack. Play continues in order until all of the cards are gone. The student with the most cards wins the game. Students could also place the cards they answer correctly into hexagons. The score could then be reported as the number of hexagons each student has. This will include fractional parts of hexagons because students may not have enough cards to complete their last hexagon.

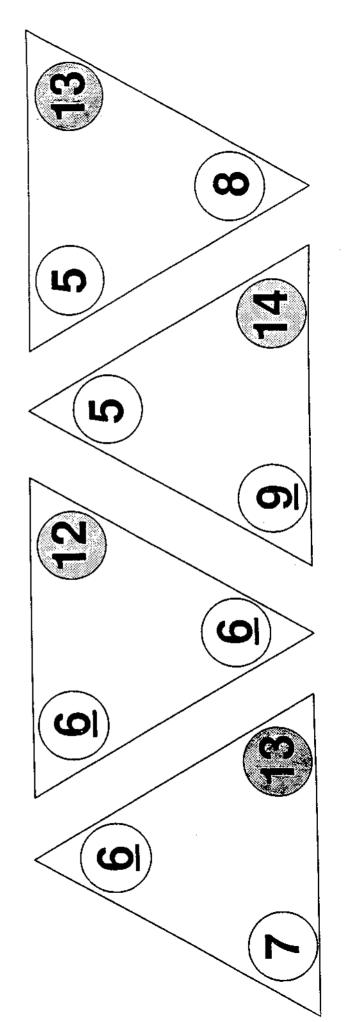


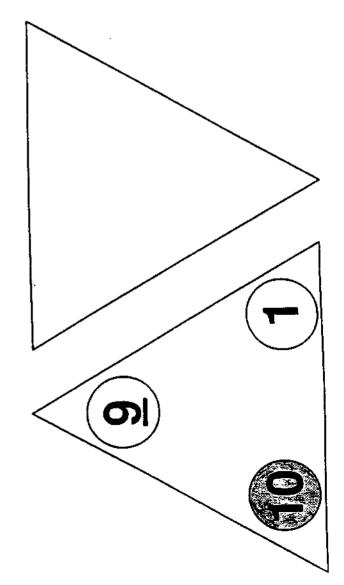
2 Addition



**1** 

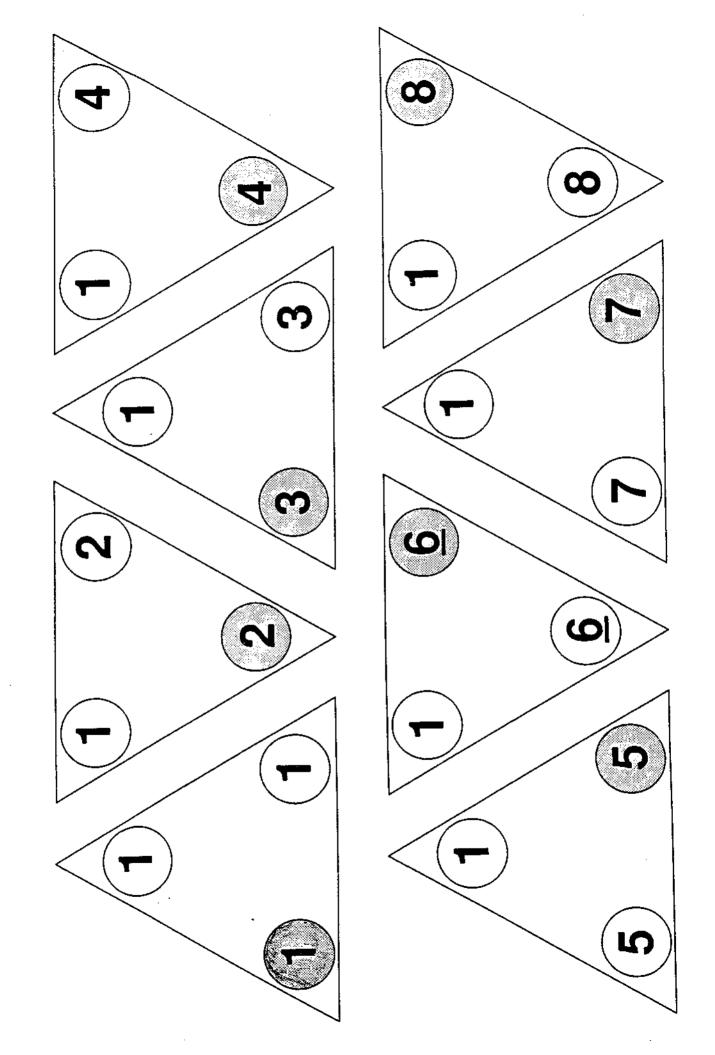
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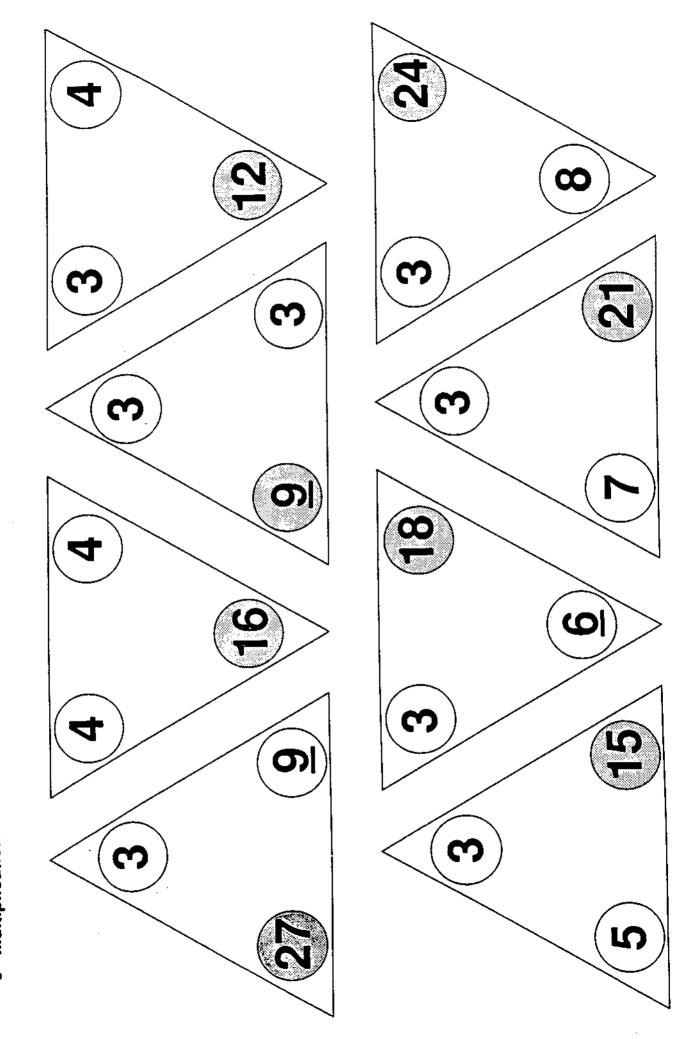


5 Addition

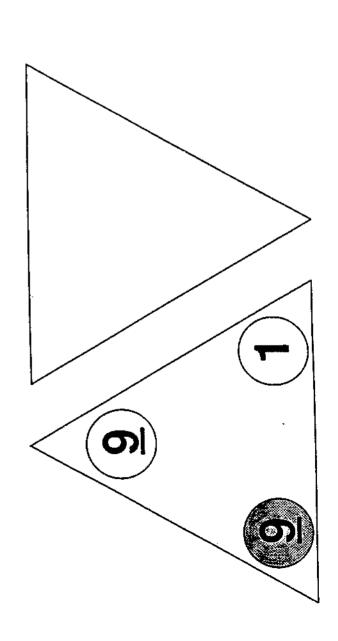
6 Addition



8 Multiplication



10 Multiplication



12 Multiplication

11 Multiplication