Mental Math: 2 X 2 multiplication when one factor is a multiple of 10

Step	Example
	74 X 80
Pretend the problem is a 1 X 2 multiplication	74 X 8
Multiply the 10s, then the 1s and add the products	70 X 8 = 560 4 X 8 = + 32 592
Put a 0 at the end	5920

Practice

14 × 80	93 × 60	82 × 60	77 × 10	52 × 80
24 × 80	49 × 50	13 × 10	35 × 60	15 × 50
92 × 30	25 × 60	13 × 30	28 × 50	37 × 70

Answers to Practice

14 × 80 1120	93 × 60 5580	82 × 60 4920	77 × 10 770	52 × 80 4160
24 × 80 1920	49 × 50 2450	13 × 10 130	35 × 60 2150	15 × 50 5250
92 × 30 2760	25 × 60 1500	13 × 30 390	28 × 50 1400	37 × 70 2590

Game: Roll and Flip Battle

Materials:

- 10-sided die (Or you can use a deck of cards with the face cards and 10s removed)
- Coin for flipping (Or you can roll dice again: Even = high, Odd = low)
- Dry erase markers/boards/erasers

Object of the game: Be the first to score a pre-determined number of points – for example, 10 or 20

To play:

1st player rolls the dice 3 times and records the results as a 2 X 2 multiplication problem with one of the factors being a multiple of 10 – like so

	1st Roll	2nd Roll
X	3rd Roll	0

So, if you roll: 6,7,3 – your problem would be:

67
X 30

Do the math in your head (no fair writing it down). The second player does the same. Flip a coin to determine whether high or low wins the point. Heads = High, Tails = Low. Winner gets 1 point. First player to reach the pre-determined number of points wins.

Printing: 2-sided, black and white, landscape, flip on short edge