

Closest to 20,000

Use digit cards 0-9.

If you do have digit cards, use playing cards: ace, 2, 3, 4, 5, 6, 7, 8, 9 and a jack to represent zero.

Mix the cards and choose five.

Use these to create a multiplication Th H T O x O

For example, if you selected: 2, 4, 7, 9, and 0, you could make:

2470 x 9 or 7940 x 2 and so on.

Your challenge is to arrange the cards selected to get the product closest to 20, 000.

Try different combinations of the numbers selected.

In the examples above the products are:

$$2470 \times 9 = 22,230$$

$$7940 \times 2 = 15,880$$

Is it possible to get closer than this with this selection of digits?

Repeat this exercise for at least three combinations of digits.

SHOW YOUR METHOD FOR ALL YOUR CALCULATIONS