Using the digit cards 2, 4, 7 and 8, how many different multiples of 6 can you make? How do you know you have them all?

Debbie has a pack of cards numbered from 1 to 20. She picks four different number cards.
. Exactly three of the four numbers are multiples of 5.
. Exactly three of the four numbers are even numbers.
. All four numbers add up to less than 40.

Write what the numbers could be.

Write two further questions that you could ask about the about the cards.

Answers below.

Using the digit cards 2, 4, 7 and 8, how many different multiples of 6 can you make? How do you know you have them all?	root digit: A multiple of 6 is an even number and the sum of the digits is a multiple of 3. 24, 42, 48, 84
Debbie has a pack of cards numbered from 1 to 20. She picks four different number cards. . Exactly three of the four numbers are multiples of 5. . Exactly three of the four numbers are even numbers. . All four numbers add up to less than 40. **Write what the numbers could be.** **Write two further questions that you could ask about the about the cards.**	They have to be 5, 10 and 20 because of the even rule. These add up to 35. The other card then can only be either 2 or 4.