

I have a pile of nine digit cards numbered 1 to 9.

I take one of the cards. It is the 3.

Which card would you choose to go with the 3 so you could make the largest possible two-digit even number with the two cards?

We put the cards back in the pile. This time, I choose the 6. Which card would you choose this time to go with the 6 to make the largest possible two-digit even number?

Have a go at this with a partner. One of you chooses the first digit from the set of cards. The second person then chooses a card to make the largest possible two-digit even number. You can then swap over.

Try it several times so you are sure you have a good method. Talk about your ideas with your partner so you agree together on a 'best' method.

How would your strategy change if you had to make the largest two-digit odd number?

98

98

78

96

58

18

92

94

38

If its a odd number the ten is  
the number you get the unit  
is eight.

If its a even number the ten  
is 90 and the unit is the number  
you get.

# Largest Even Nrich

Otis

I have a pile of nine digit cards numbered 1 to 9.

I take one of the cards. It is the 3.

Which card would you choose to go with the 3 so you could make the largest possible two-digit even number with the two cards?

We put the cards back in the pile. This time, I choose the 6. Which card would you choose this time to go with the 6 to make the largest possible two-digit even number?

Have a go at this with a partner. One of you chooses the first digit from the set of cards. The second person then chooses a card to make the largest possible two-digit even number. You can then swap over.

Try it several times so you are sure you have a good method. Talk about your ideas with your partner so you agree together on a 'best' method.

How would your strategy change if you had to make the largest two-digit odd number?

---

988482 9878

If you pick out a even

number always put it last. Put 9 before the even number. And if you pick out a odd number put it first.

# Largest Even Nrich Roberts

I have a pile of nine digit cards numbered 1 to 9.

I take one of the cards. It is the 3.

Which card would you choose to go with the 3 so you could make the largest possible two-digit even number with the two cards?

We put the cards back in the pile. This time, I choose the 6. Which card would you choose this time to go with the 6 to make the largest possible two-digit even number?

Have a go at this with a partner. One of you chooses the first digit from the set of cards. The second person then chooses a card to make the largest possible two-digit even number. You can then swap over.

Try it several times so you are sure you have a good method. Talk about your ideas with your partner so you agree together on a 'best' method.

How would your strategy change if you had to make the largest two-digit odd number?

16 18 58 ~~2~~ 12 16

If you get even number you can put it with 9

If you have a odd number you can put it with 8.