

# Digital Dilemmas

You need  a calculator (optional)  a classmate

## Activity

1. a. Arrange the digits 2, 4, 6, and 8 in the boxes to make a division expression.

The answer must have no remainder, and each digit can be used only once.

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- b. Write down all the different division expressions (without remainders) that you can make using each digit only once each time.

2. a. Use the digits 1, 3, 5, and 9 to make division expressions like those in question 1.  
b. Can you make more division expressions than before? Discuss your answer with a classmate.

3. a. Arrange the digits 2, 3, 5, 6, and 8 in the boxes to get the largest possible answer. Each digit can be used only once.

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- b. Arrange the same digits to get the smallest possible answer.  
c. Discuss with a classmate how you got your answer.