

## Four Digits to One Hundred

### Description

Students use four digits to create number sentences which equal numbers 1 to 100

### Procedure

1. Throw four die. The four digits which appear are the digits used to create number sentences.
2. The four digits are the only digits which may be used to create the number sentences. All four digits must be used in each number sentence. No digit may be used more than once in a number sentence.
3. One point will be given for each correct number sentence.
4. Only one number sentence will be accepted for each digit one to a hundred.
5. Digits may be combined to create a two or three digit number.
6. Any mathematical symbol may be used, including  $+$   $-$   $\times$   $\div$   $\sqrt{\quad}$   $!$   $(\quad)$   
(add, subtract, multiply, divide, square root, factorial, parentheses)
7. Factors may be used only if the digit used for the factor is one of the four digits.
8. Calculators may NOT be used.

### Example

The four digits which appear on the die are 3 4 4 6  
(note that because 4 appears twice, it must be used twice in the number sentences)

$$14 = 3 \times 4 + (6 - 4)$$

$$89 = 43 + 46$$

$$94 = 4^3 + 4! + 6$$

$$24 = \sqrt{4} \times 4 \times (6 - 3)$$

# Four Digits to One Hundred

Name \_\_\_\_\_ School \_\_\_\_\_

1= \_\_\_\_\_

24= \_\_\_\_\_

2= \_\_\_\_\_

25= \_\_\_\_\_

3= \_\_\_\_\_

26= \_\_\_\_\_

4= \_\_\_\_\_

27= \_\_\_\_\_

5 = \_\_\_\_\_

28= \_\_\_\_\_

6= \_\_\_\_\_

29= \_\_\_\_\_

7= \_\_\_\_\_

30= \_\_\_\_\_

8= \_\_\_\_\_

31= \_\_\_\_\_

9= \_\_\_\_\_

32= \_\_\_\_\_

10= \_\_\_\_\_

33= \_\_\_\_\_

11= \_\_\_\_\_

34= \_\_\_\_\_

12= \_\_\_\_\_

35= \_\_\_\_\_

13= \_\_\_\_\_

36= \_\_\_\_\_

14= \_\_\_\_\_

37= \_\_\_\_\_

15= \_\_\_\_\_

38= \_\_\_\_\_

16= \_\_\_\_\_

39= \_\_\_\_\_

17= \_\_\_\_\_

40= \_\_\_\_\_

18= \_\_\_\_\_

41= \_\_\_\_\_

19= \_\_\_\_\_

42= \_\_\_\_\_

20= \_\_\_\_\_

43= \_\_\_\_\_

21= \_\_\_\_\_

44= \_\_\_\_\_

22= \_\_\_\_\_

45= \_\_\_\_\_

23= \_\_\_\_\_

46= \_\_\_\_\_

47= \_\_\_\_\_

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98= \_\_\_\_\_

99= \_\_\_\_\_

100= \_\_\_\_\_