

G2-M4-Lesson 22

1. Look to make 10 ones or 10 tens to solve the following problems using place value strategies.

$7 + 6 + 3 + 4 = \underline{20}$	$37 + 16 + 43 + 54 = \underline{150}$	$86 + 34 + 33 + 67 = \underline{220}$
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This is similar to the first problem, except now there are tens. When I add 37 plus 43, I know 7 ones plus 3 ones equals 10 ones, or 1 ten. Then, 3 tens plus 4 tens equals 7 tens. 7 tens + 1 ten = 8 tens, or 80.

I can group 86 and 34 together because 6 and 4 make 10. 8 tens plus 3 tens equals 11 tens. When I add 1 more ten, I get 12 tens, which is 120. $120 + 100 = 220$.

2. The table shows the top five soccer teams and their total points scored this season.

Teams	Points
Red	48
Yellow	39
Green	52
Blue	41
Orange	42

- a. How many points did the yellow, orange, and blue teams score together?

$$39 + 42 + 41 = \underline{122}$$

Since 9 and 1 make ten, I added 39 and 41 first. I know that $30 + 40 = 70$, and $70 + 10 = 80$. Then, $80 + 42 = 122$.

The yellow, orange, and blue teams scored 122 points.

- b. Which two teams scored a total of 90 points?

$$48 + 42 = 90$$

The red and orange teams scored 90 points.

I can look for a total of 9 tens. 4 tens plus 4 tens is 8 tens, which is only 80. But, don't forget the ones! 8 ones plus 2 ones equals 10 ones, or 1 ten. So 8 tens and 1 more ten is 9 tens, or 90.