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$$2 = \frac{1}{10} \quad 5+5+5+5=20$$
$$3 = \frac{3}{20} \quad \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$$
$$4 = \frac{1}{5} \quad 4+4+4+4+4=20$$

$$5 = \frac{1}{4} \quad \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} = \frac{5}{5}$$

$$6 = \frac{3}{10} \quad 10+10=20$$

$$8 = \frac{2}{5} \quad \frac{1}{2} + \frac{1}{2} = \frac{2}{2}$$

$$9 = \frac{2}{10} \quad 2+2+2+2+2+2+2+2+2=20$$

$$10 = \frac{1}{2} \quad \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} = \frac{10}{10}$$

$$20 = \frac{20}{20}$$

- First I thought well, multiplication is basically repeated addition, so the multiples of twenty would be the easiest.  $5 \times 4 = 20$ , so  $5+5+5+5=20$ . That is what I did for the multiples of 20.

$$6+4+6+4=20$$

$$\frac{3}{10} + \frac{2}{10} + \frac{3}{10} + \frac{2}{10} = \frac{10}{10}$$

$$8+2+8+2=20$$

$$\frac{4}{10} + \frac{1}{10} + \frac{4}{10} + \frac{1}{10} = \frac{10}{10}$$

- My second thought was all the easy ways to make ten - 6+4, 8+2 and so on. So, I did  $6+4+6+4$  and  $8+2+8+2$  and it worked!

$$5+5+6+4=20$$

$$\frac{3}{10} + \frac{2}{10} + \frac{1}{4} + \frac{1}{4} = \frac{10}{10}$$

- My final thought was to mix everything up, so I did  $5+5+6+4$  and so  $5+5=10$  and  $6+4=10$  so  $5+5+6+4=20$ !

$$2 = \frac{1}{10}$$

$$3 = \frac{3}{20}$$

$$4 = \frac{1}{5}$$

$$5 = \frac{1}{4}$$

$$6 = \frac{3}{10}$$

$$8 = \frac{1}{2}$$

$$10 = \frac{1}{20}$$

$$20 = \frac{20}{20}$$

$$5 + 5 + 5 + 5 = 20$$

$$\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = 20$$

- So first I thought well  $5 \times 4 = 20$ , and multiplication is repeated addition, so  $5 + 5 + 5 + 5$  is also 20.  $\frac{1}{4} = 5$  if  $20 = 1$  whole, so  $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{4}{4} = 20$ .