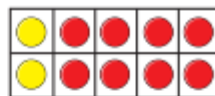
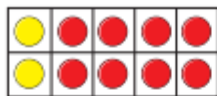
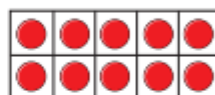
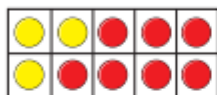


1 Write additions to match the ten frames.

a)



b)



c) What do you notice?

2 Complete the number bonds.

a) $4 + 6$

b) $5 + 5$

$4 + 16$

$5 + 15$

c) $10 = \square + 1$

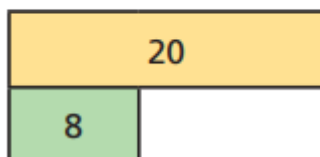
d) $10 = 3 + \square$

$20 = \square + 1$

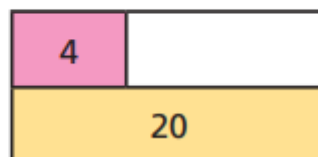
$20 = \square + 13$

3 Complete the bar models.

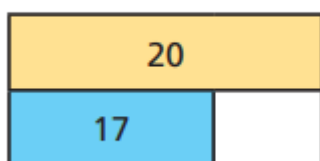
a)



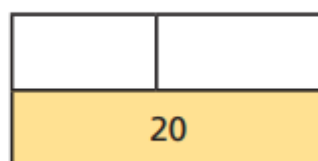
c)



b)



d)



4 Colour all the number bonds to 20

$14 + 3$	$17 + 3$	$2 + 18$	$0 + 20$	$3 + 16$	$9 + 11$	$17 + 3$	$18 + 2$	$2 + 0$
$18 + 1$	$3 + 7$	$12 + 7$	$5 + 15$	$4 + 8$	$1 + 19$	$13 + 5$	$20 + 0$	$1 + 15$
$11 + 8$	$11 + 9$	$19 + 1$	$3 + 17$	$10 + 0$	$13 + 7$	$16 + 2$	$8 + 12$	$5 + 5$
$5 + 6$	$4 + 16$	$19 + 0$	$10 + 1$	$2 + 0$	$14 + 6$	$17 + 1$	$11 + 9$	$11 + 8$
$12 + 5$	$12 + 8$	$18 + 2$	$15 + 5$	$4 + 15$	$16 + 4$	$10 + 10$	$15 + 5$	$13 + 3$

Make your own puzzle like this.

Reasoning and Problem Solving

Use equipment to represent each of the calculations below.

What is the same?

What is different?

$$7 + 3 = 10$$

$$17 + 3 = 20$$

$$20 = 7 + 13$$

Explain your thinking.