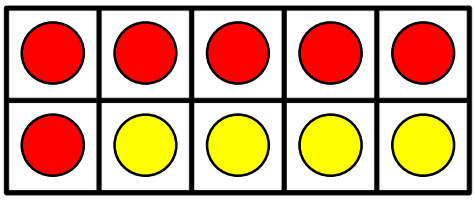
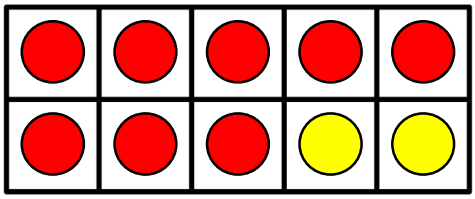
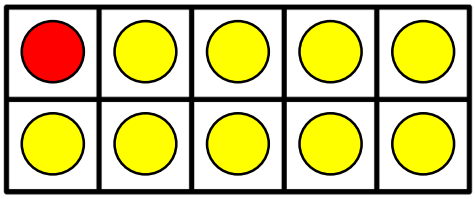
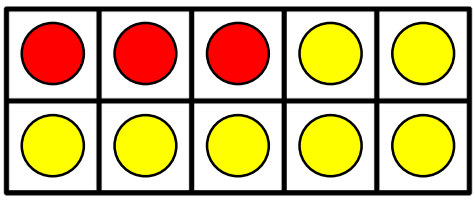
# Bonds to 100 (Tens)

1 Match the ten frames to the sentences. Each counter represents ten.









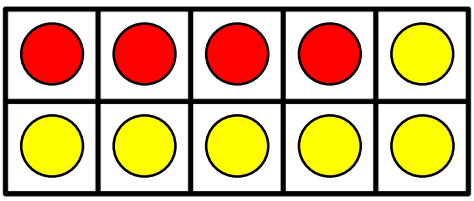
30 + 70 = 100

100 = 60 + 40

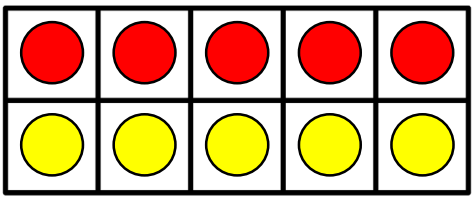
80 + 20 = 100

One hundred equals ten plus ninety.

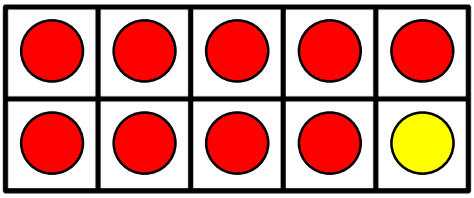
2 Use the ten frames to complete the sentences. Each counter represents ten.

a 

40 + 60 = 100

b 

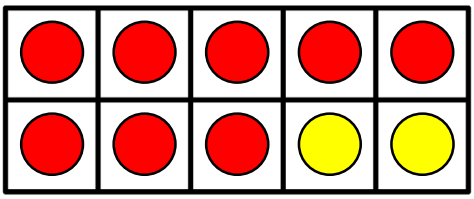
50 + 50 = 100

c 

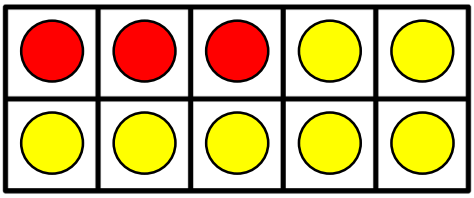
90 + 10 = 100

# Bonds to 100 (Tens)

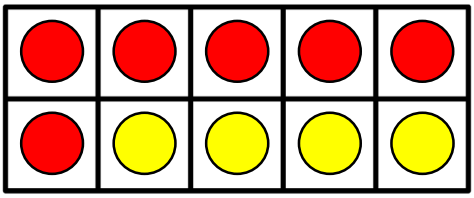
1 Use the ten frames to complete the sentences. Each counter represents 10.

a 

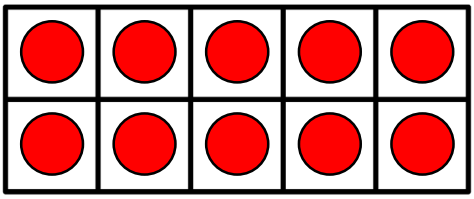
80 + 20 = 100

b 

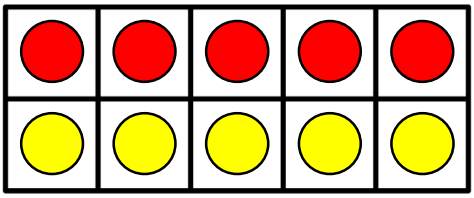
30 + 70 = 100

c 

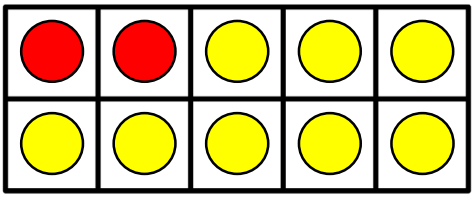
60 + 40 = 100

d 

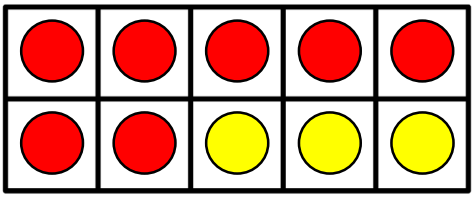
100 + 0 = 100

e 

50 + 50 = 100

f 

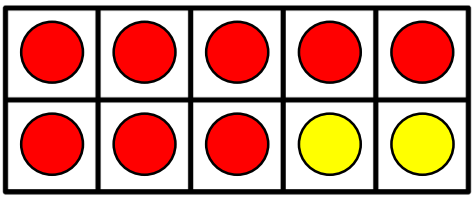
20 + 80 = 100

g 

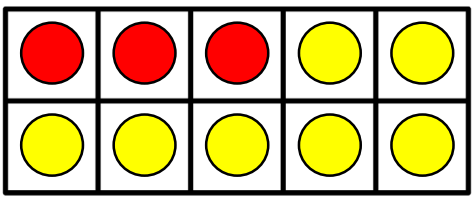
70 + 30 = 100

# Bonds to 100 (Tens)

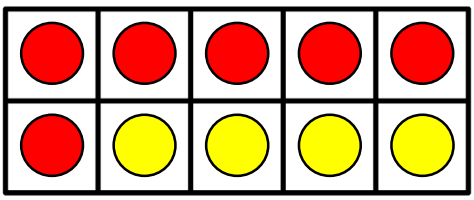
1 Use the ten frames to complete the sentences. Each counter represents 10.

a 

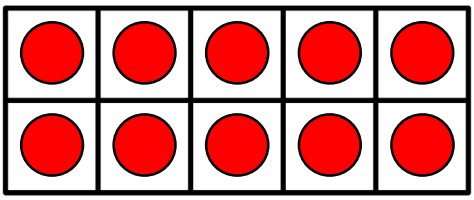
80 + 20 = 100

b 

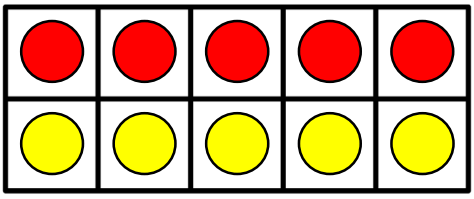
30 + 70 = 100

c 

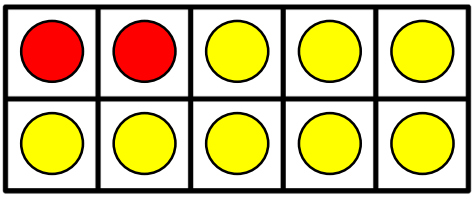
60 + 40 = 100

d 

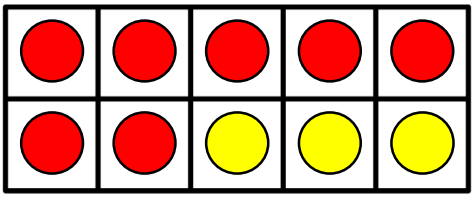
100 + 0 = 100

e 

50 + 50 = 100

f 

20 + 80 = 100

g 

70 + 30 = 100

# Bonds to 100 (Tens)

1 Complete the missing numbers.

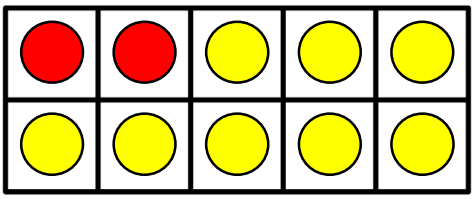
| | | |
|---|---|---|
| a | 3 + 4 = 7 | 30 + 40 = 70 |
| | 3 0 + 4 0 = 70 | 70 = 3 0 + 4 0 |
| b | 4 + 5 = 9 | 40 + 50 = 90 |
| | 4 0 + 5 0 = 90 | 90 = 4 0 + 5 0 |
| c | 7 + 3 = 10 | 70 + 30 = 100 |
| | 7 0 + 3 0 = 100 | 100 = 7 0 + 3 0 |
| d | 2 + 7 = 9 | 20 + 70 = 90 |
| | 2 0 + 7 0 = 90 | 90 = 2 0 + 7 0 |
| e | 4 + 6 = 10 | 40 + 60 = 100 |
| | 4 0 + 6 0 = 100 | 100 = 4 0 + 6 0 |

2 Continue the patterns.

| a | b |
|---|---|
| 50 = 100 – 50 | 100 = 100 – 0 |
| 40 = 100 – 60 | 90 = 100 – 10 |
| 30 = 100 – 70 | 80 = 100 – 20 |
| 20 = 100 – 80 | 70 = 100 – 30 |
| 10 = 100 – 90 | 60 = 100 – 40 |

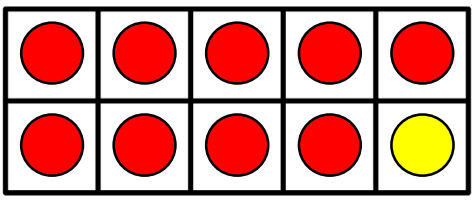
# Bonds to 100 (Tens)

1 Write two number sentences to represent each ten frame. Each counter represents 10.

a 

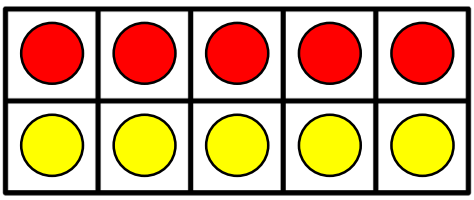
20 + 80 = 100

80 + 20 = 100

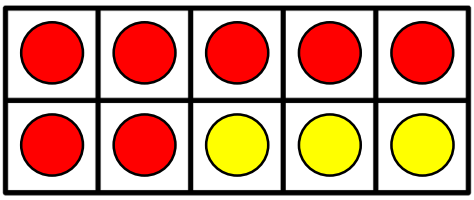
b 

90 + 10 = 100

10 + 90 = 100

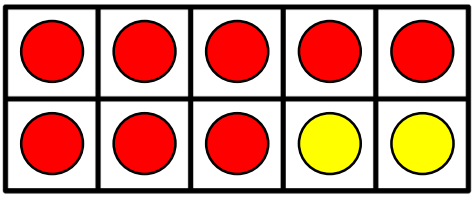
c 

50 + 50 = 100

d 

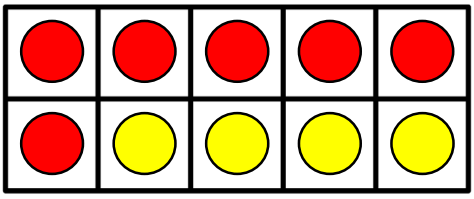
70 + 30 = 100

30 + 70 = 100

e 

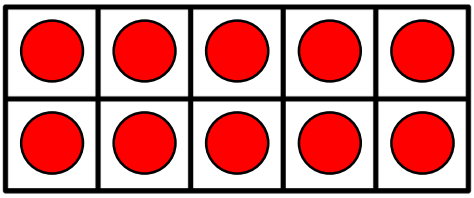
80 + 20 = 100

20 + 80 = 100

f 

60 + 40 = 100

40 + 60 = 100

g 

100 + 0 = 100

0 + 100 = 100

# Bonds to 100 (Tens)

1 Complete the missing numbers.

| | | |
|---|---|---|
| a | 3 + 5 = 8<br>3 0 + 5 0 = 8 0 | 30 + 50 = 80<br>8 0 = 3 0 + 5 0 |
| b | 6 + 3 = 9<br>6 0 + 3 0 = 9 0 | 60 + 30 = 90<br>9 0 = 6 0 + 3 0 |
| c | 4 + 6 = 10<br>4 0 + 6 0 = 1 00 | 40 + 60 = 100<br>10 0 = 4 0 + 6 0 |
| d | 4 + 3 = 7<br>4 0 + 3 0 = 7 0 | 40 + 30 = 70<br>7 0 = 4 0 + 3 0 |
| e | 5 + 4 = 9<br>5 0 + 4 0 = 9 0 | 50 + 40 = 90<br>9 0 = 5 0 + 4 0 |

2 Continue the patterns.

a

100 = 100 – 0

90 = 100 – 10

80 = 100 – 20

70 = 100 – 30

60 = 100 – 40

b

50 = 100 – 50

40 = 100 – 60
30 = 100 – 70
20 = 100 – 80
10 = 100 – 90
0 = 100 – 0

# Bonds to 100 (Tens)

Problem solving and reasoning cards:

If I add the first four multiples of 10, my answer will be less than 90.

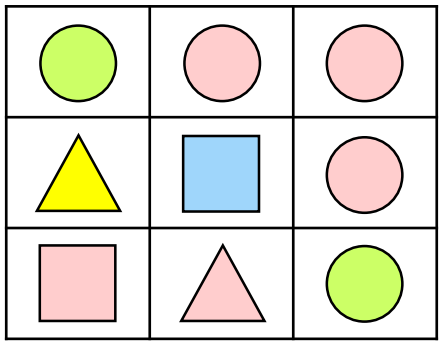
Do you agree with Matt?

Explain why.

No.
10 + 20 + 30 + 40 = 100.
100 is more than 90 (not less than 90).

 = 30  = 20  = 10

Complete the grid below so that all horizontal and vertical lines equal 60.



 = 20  = 30  = 40

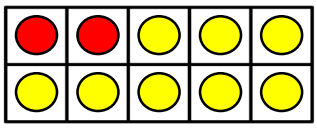
Complete each problem.

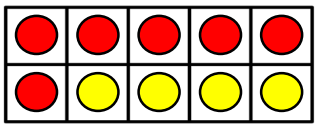
 +  = 50

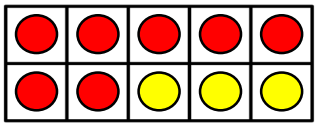
 +  = 60

 +  = 70

Tick (✓) the number sentence that does not match the ten frame. Each counter represents 10.

 20 + 80 = 100 ☐

 40 + 60 = 100 ✓

 70 + 30 = 100 ☐

Tick (✓) the statements that are correct.

If I know 2 + 6 = 8,
then I know that 20 + 60 = 80 ✓

If I know 4 + 1 = 6,
then I know that 40 + 10 = 60 ☐

If I know 4 + 3 = 7,
then I know that 40 + 30 = 70 ✓

Without repeating numbers and using multiples of 10, there are four number bonds for 50.

Is Jess correct?
Explain how you know.

No, there are 3.
0 + 50
10 + 40
20 + 30