



Name: _____

Date: _____



Robo's crane stacks two blocks to make a tower. The **whole** is on top and the two **parts** are underneath. Write the **missing part** in the dashed box. The blocks show one part, so count up to the whole.

1

Make 5

5

3

PART · PART · WHOLE

5
4
3
2
1

?

3

2

Make 5

5

1

PART · PART · WHOLE

5
4
3
2
1

?

3

Make 5

5

2

PART · PART · WHOLE

5
4
3
2
1

?

2

4

Make 10

10

9

PART · PART · WHOLE

10
9
8
7
6
5
4
3
2
1

?

9

5

Make 10

10

4

PART · PART · WHOLE

10
9
8
7
6
5
4
3
2
1

?

4

6

Make 10

10

8

PART · PART · WHOLE

10
9
8
7
6
5
4
3
2
1

?

8

7

Make 10

10

7

PART · PART · WHOLE

10
9
8
7
6
5
4
3
2
1

?

7

8

Make 10

10

3

PART · PART · WHOLE

10
9
8
7
6
5
4
3
2
1

?

3

9

Make 10

10

6

PART · PART · WHOLE

10
9
8
7
6
5
4
3
2
1

?

6



How many more to make 10?

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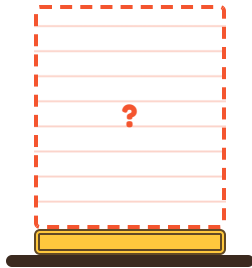
A bolted block  is already on the tower. The customer wants a tower that is exactly **10** tall. **Count the empty steps** up to 10 and write how many more blocks are needed.

1

Toby Tiger

Wants

10

10
9
8
7
6
5
4
3
2
1

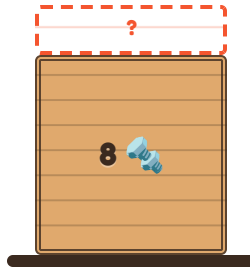
$$1 + \square = 10$$

2

Benny Bear

Wants

10

10
9
8
7
6
5
4
3
2
1

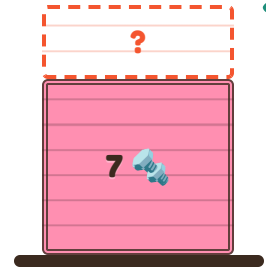
$$8 + \square = 10$$

3

Momo Monkey

Wants

10

10
9
8
7
6
5
4
3
2
1

$$7 + \square = 10$$

4

Clara Cow

Wants

10

10
9
8
7
6
5
4
3
2
1

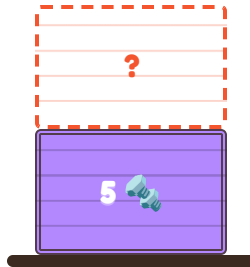
$$4 + \square = 10$$

5

Clara Cow

Wants

10

10
9
8
7
6
5
4
3
2
1

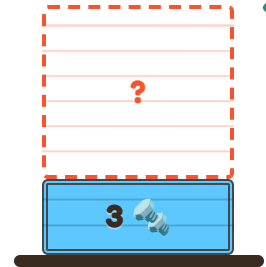
$$5 + \square = 10$$

6

Benny Bear

Wants

10

10
9
8
7
6
5
4
3
2
1

$$3 + \square = 10$$

Bonus: all the bonds to 10

Fill in every partner. Robo says the pairs make a rainbow: 1 goes with 9, 2 goes with 8...

$$1 + \square = 10$$

$$2 + \square = 10$$

$$3 + \square = 10$$

$$4 + \square = 10$$

$$5 + \square = 10$$

$$6 + \square = 10$$

$$7 + \square = 10$$

$$8 + \square = 10$$

$$9 + \square = 10$$



Make 20: tens, ones, three parts

Levels 4–5 · Up to 20 · 20 in 3

Name: _____

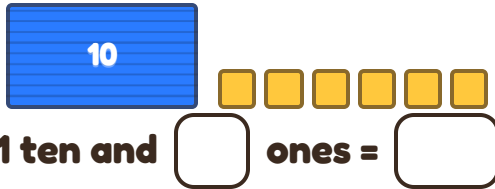
Date: _____



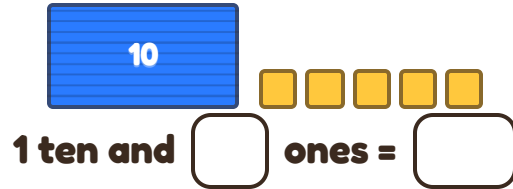
Part A: a big 10 block plus some 1 blocks. Count the ones and write the number. **Part B:** the tower must be exactly 20 tall with **three** blocks. Two are stacked. Write the size of the third block.

A One ten and some ones

1



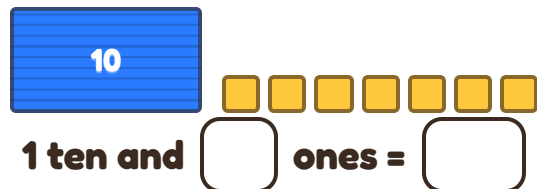
2



3



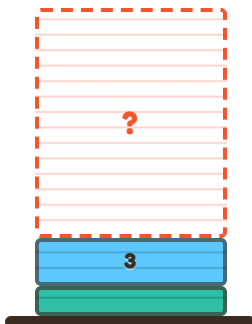
4



B Three blocks that make 20

5

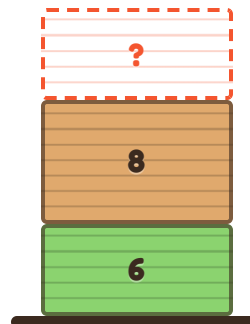
Penny Pig wants 20



$$2 + 3 + \boxed{} = 20$$

6

Freddy Frog wants 20



$$6 + 8 + \boxed{} = 20$$

7

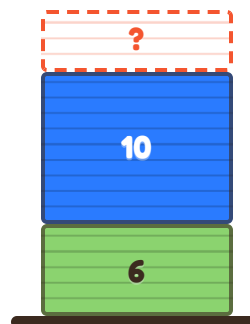
Felix Fox wants 20



$$10 + 8 + \boxed{} = 20$$

8

Clara Cow wants 20



$$6 + 10 + \boxed{} = 20$$



Draw the missing block

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Date: _____



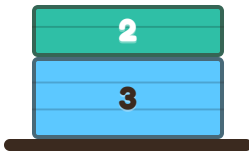
Two blocks are stacked but the tower is not tall enough yet. **Draw the missing block** on top so the tower reaches the line, colour it in, and **write its number** on it. Then finish the number sentence.

1

Daisy Dog

Wants

9

9
8
7
6
5
4
3
2
1

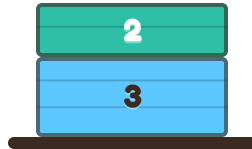
$$3 + 2 + \square = 9$$

2

Benny Bear

Wants

6

6
5
4
3
2
1

$$3 + 2 + \square = 6$$

3

Felix Fox

Wants

10

10
9
8
7
6
5
4
3
2
1

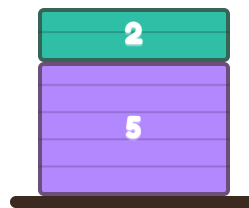
$$7 + 2 + \square = 10$$

4

Toby Tiger

Wants

10

10
9
8
7
6
5
4
3
2
1

$$5 + 2 + \square = 10$$

5

Toby Tiger

Wants

9

9
8
7
6
5
4
3
2
1

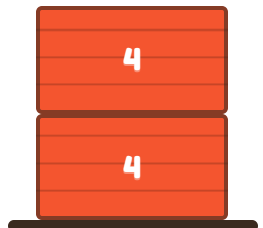
$$5 + 2 + \square = 9$$

6

Pip Panda

Wants

9

9
8
7
6
5
4
3
2
1

$$4 + 4 + \square = 9$$

Bonus

Robo says every tower can be built more than one way. Pick one tower above and write a different pair of blocks that makes the same height.

**Page 1: Number bonds to 5 and 10**

1. $3 + 2 = 5$
2. $1 + 4 = 5$
3. $2 + 3 = 5$
4. $9 + 1 = 10$
5. $4 + 6 = 10$
6. $8 + 2 = 10$
7. $7 + 3 = 10$
8. $3 + 7 = 10$
9. $6 + 4 = 10$

Page 2: How many more to make 10?

1. $1 + 9 = 10$
2. $8 + 2 = 10$
3. $7 + 3 = 10$
4. $4 + 6 = 10$
5. $5 + 5 = 10$
6. $3 + 7 = 10$
7. Bonus: 1+9, 2+8, 3+7, 4+6, 5+5, 6+4, 7+3, 8+2, 9+1

Page 3: Make 20: tens, ones, three parts

1. 1 ten and 6 ones = **16**
2. 1 ten and 5 ones = **15**
3. 1 ten and 2 ones = **12**
4. 1 ten and 7 ones = **17**
5. $2 + 3 + 15 = 20$
6. $6 + 8 + 6 = 20$
7. $10 + 8 + 2 = 20$
8. $6 + 10 + 4 = 20$

Page 4: Draw the missing block

1. $3 + 2 + 4 = 9$ (draw a block 4 steps tall)
2. $3 + 2 + 1 = 6$ (draw a block 1 steps tall)
3. $7 + 2 + 1 = 10$ (draw a block 1 steps tall)
4. $5 + 2 + 3 = 10$ (draw a block 3 steps tall)
5. $5 + 2 + 2 = 9$ (draw a block 2 steps tall)
6. $4 + 4 + 1 = 9$ (draw a block 1 steps tall)
7. Bonus: any two numbers that add to the chosen tower height.