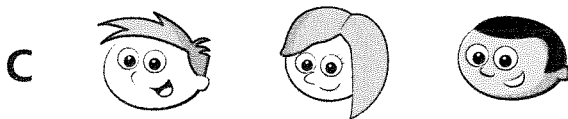


Order objects

1 How many children are there in each group?



Complete the sentences.

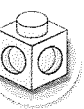
There are children in group A.

There are children in group B.

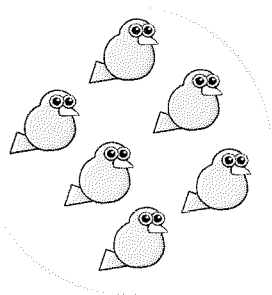
There are children in group C.

The smallest group is ____.

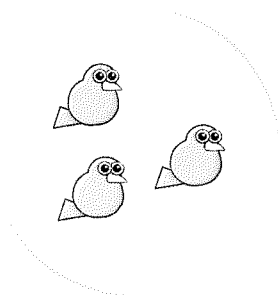
The greatest group is ____.



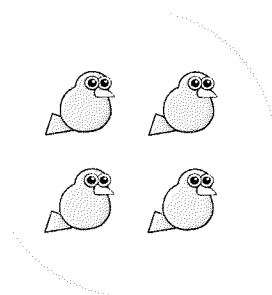
2



A



B



C

Complete the sentences.

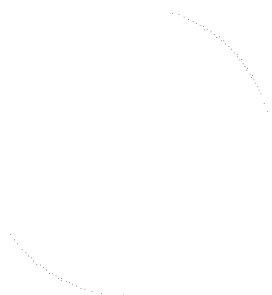
The greatest group is ____.

The _____ group is B.

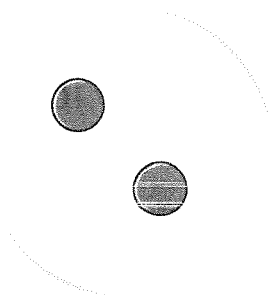
3

Draw counters in group A to make:

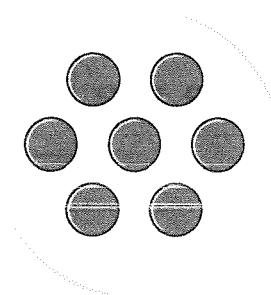
- group B the smallest
- group C the greatest.



A



B



C

Is there more than one answer?

Find them all.



Order numbers

1 Use cubes to make 12, 7 and 15

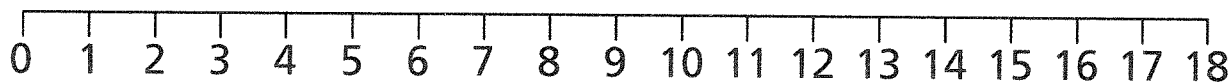
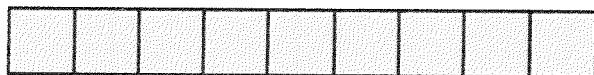
a) Which number is the smallest?

b) Which number is the greatest?

c) Write the numbers in order.

Start with the greatest number.

2 a) How many tiles are there?



b) Write the number of tiles in order.

Start with the greatest number.

| | | |
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3 Order the numbers from smallest to greatest.

a) 12, 8, 15

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b) 16, 18, 17

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c) 20, 13, 9

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d) 11, 19, 18

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4 Order the numbers from greatest to smallest.

a) 16, 7, 13

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b) 9, 12, 17

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c) 9, 20, 19

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| | | |
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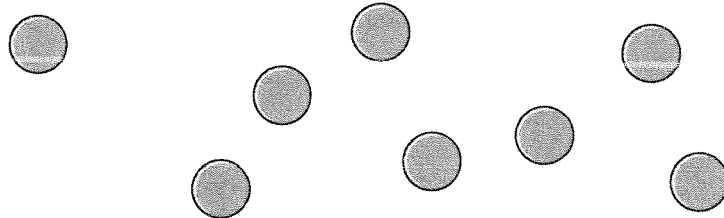
d) 14, 17, 12

| | | |
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| | | |
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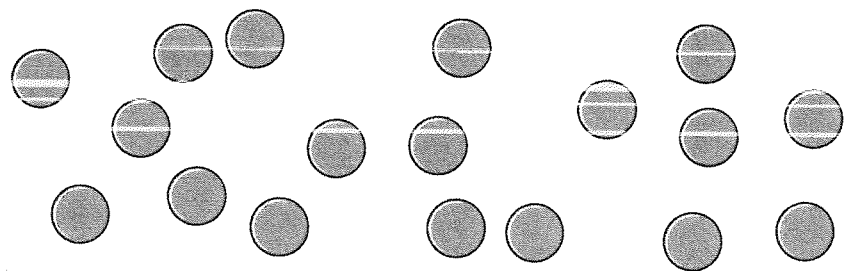
- 5 The counters are in order from smallest to greatest.

Draw the missing counters.

smallest



greatest

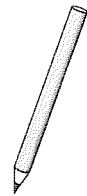


Is there more than one answer?



Ordinal numbers

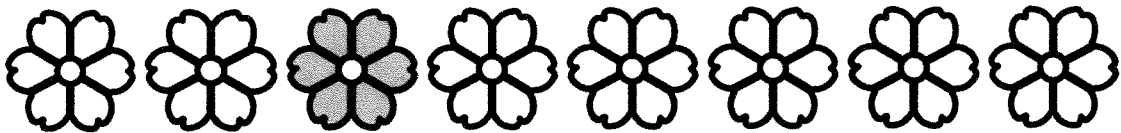
1 Here are some objects



a) Circle the first object.

b) Circle the third object.

2



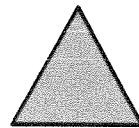
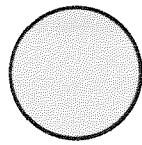
a) Which flower is coloured?

The flower is coloured.

b) Colour the 5th flower.



3 Here are some shapes.

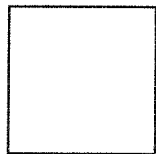


Complete the sentences.

The 1st shape is a _____.

The 3rd shape is a _____.

The star is the



shape.

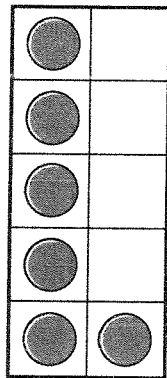
4 Draw the shapes in order.

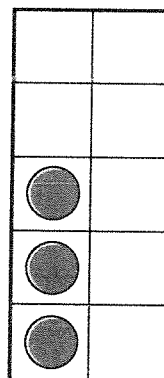
- The last shape is a square.
- The 1st shape is a triangle.
- The 3rd shape is a circle.
- The 2nd shape is a rectangle.

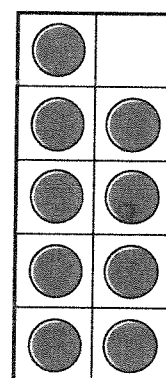


Order numbers

1 a) What are the numbers?







b) Write the numbers in order.

Start with the smallest number.

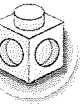
smallest

greatest

2 Circle the numbers that are in order from greatest to smallest.

1, 4, 5

5, 4, 1



3 Write the numbers in order.

Start with the smallest number.

a) 9 4 1

b) 5 0 6

c) 5 8 2

4 Write the numbers in order.

Start with the smallest number.

a) seven five six

b) zero eight three

5 Write the numbers in order.

Start with the smallest number.

3

8

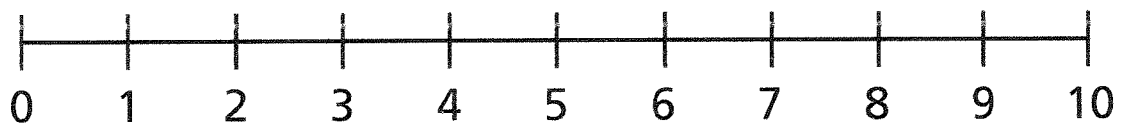
1

5

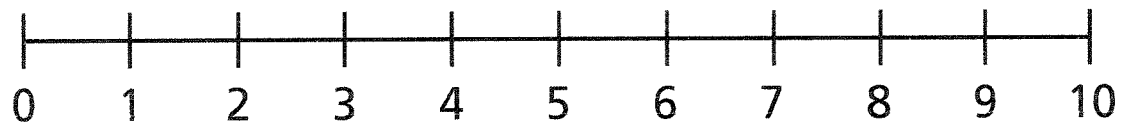


The number line

- i** a) Circle the number 2



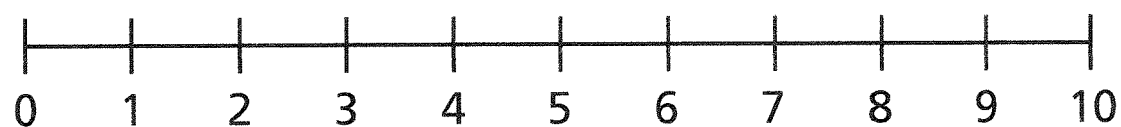
- b) Circle one less than 5



- c) Circle a number greater than 8



- d) Circle the greatest number.

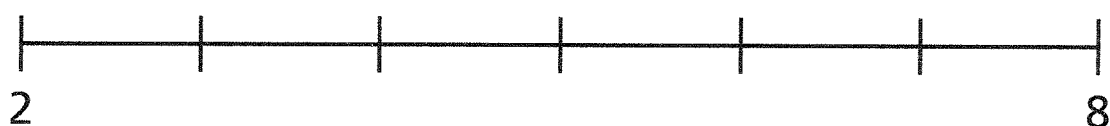


2 Complete the number lines.

a)



b)



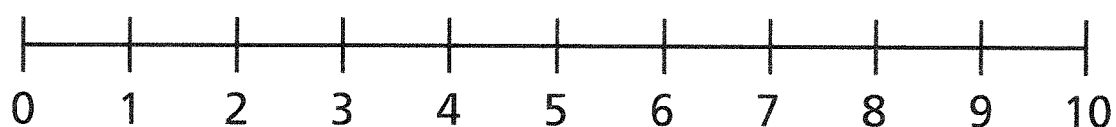
3 Draw your answers on the number lines.



a) How many jumps from one is five?

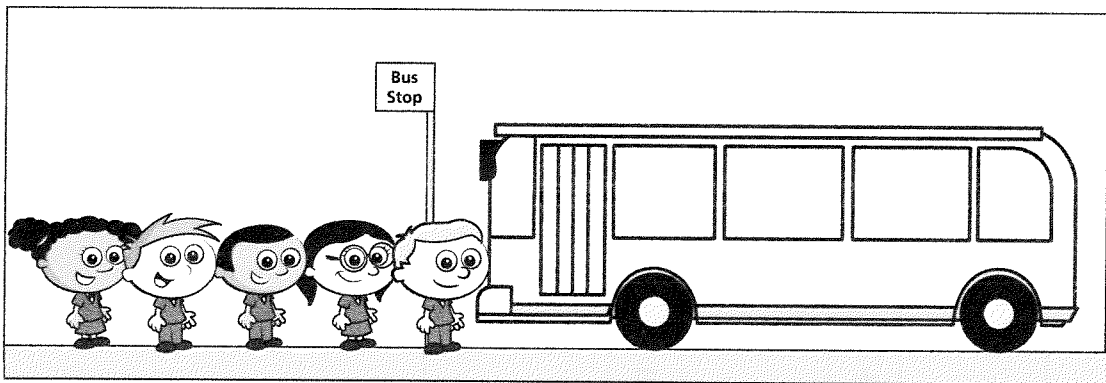


b) How many jumps from 2 is 8?

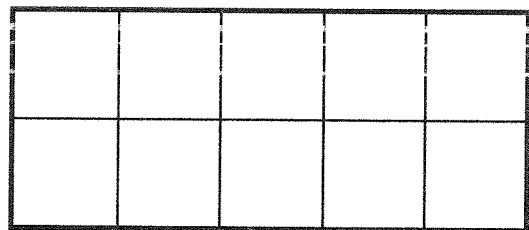
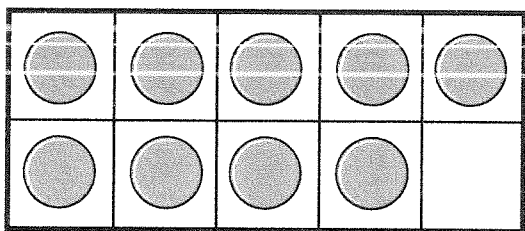


Add by counting on

- 1 There are 9 children on the bus.
5 more children get on the bus.



How many children are on the bus now?
Complete the ten frames and the sentences.



$$\square + \square = \square$$

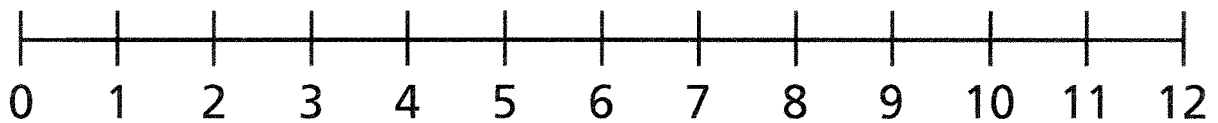
There are children on the bus now.

2 Eva has 4 coins.

Jack gives her 7 more coins.

How many coins does Eva have now?

Draw on the number line and complete the sentences.

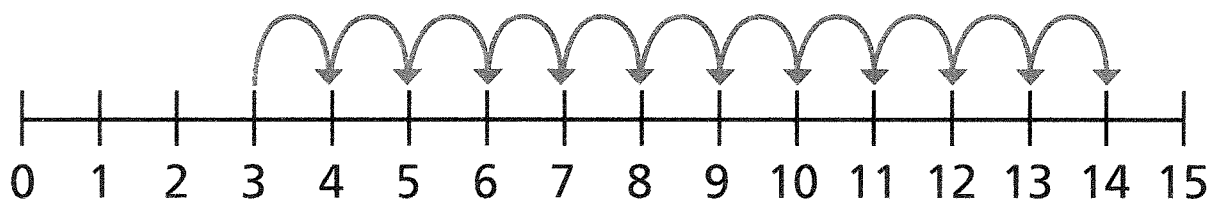


$$\square + \square = \square$$

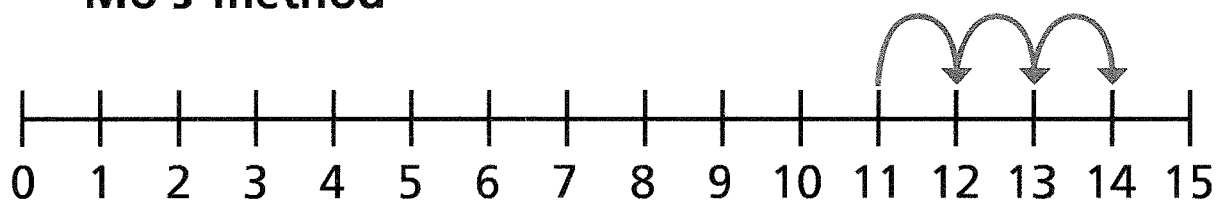
Eva has \square coins now.

3 Ron and Mo are working out $3 + 11$ on a number line.

Ron's method



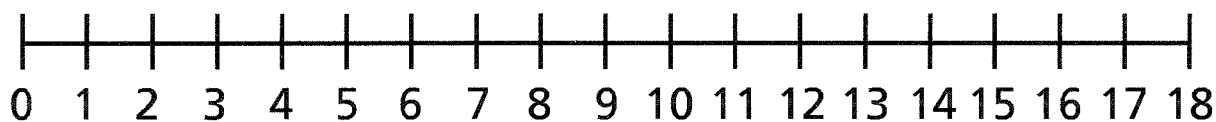
Mo's method



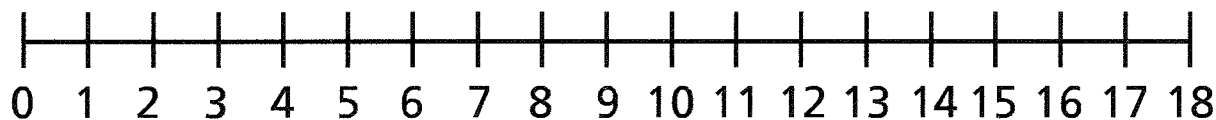
What is the same and what is different?

Use the number lines to work out the additions.

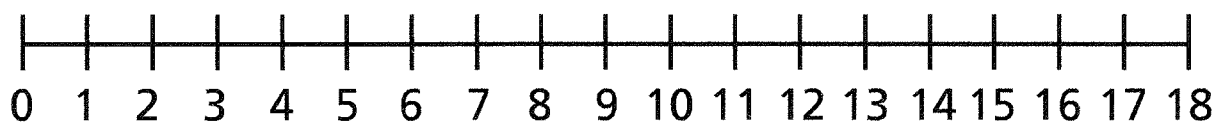
a) $2 + 13 =$



b) $4 + 9 =$

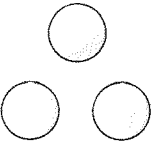
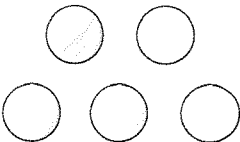


c) $1 + 17 =$

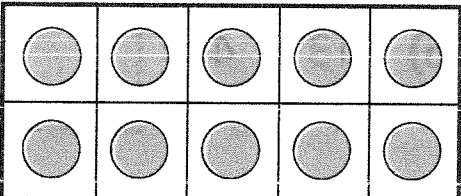
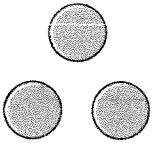
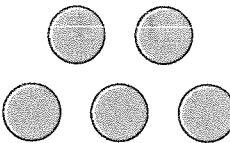


Add ones using number bonds

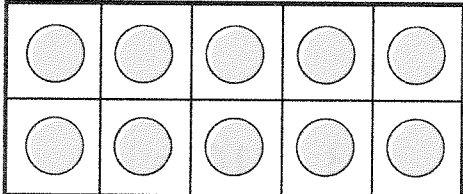
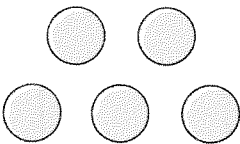
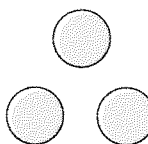
1 Complete the additions.

a)  + 

$$3 + 5 = \boxed{}$$

b)   + 

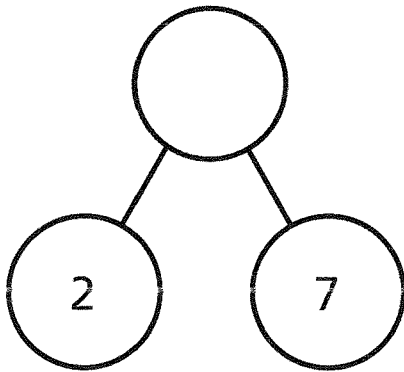
$$13 + 5 = \boxed{}$$

c)   + 

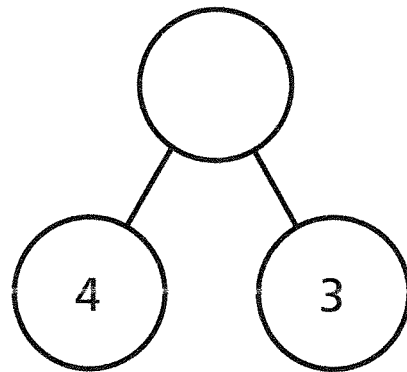
$$15 + 3 = \boxed{}$$

2 Complete the part-whole models.

a)



b)



3 Complete the additions.

a) $12 + 7 =$

b) $13 + 4 =$

$17 + 2 =$

$14 + 3 =$

$7 + 12 =$

$4 + 13 =$

$2 + 17 =$

$3 + 14 =$

4 Tick the additions that make 16

$$14 + 2$$

$$15 + 2$$

$$10 + 6$$

$$1 + 16$$

$$3 + 13$$

$$12 + 5$$

$$11 + 5$$

$$1 + 15$$

5 Complete the additions.

$$\square + 5 = 9$$

$$\square + 2 = 9$$

$$8 + \square = 9$$

$$6 + \square = 9$$

6 Complete the additions.

$$\square + 5 = 19$$

$$\square + 2 = 19$$

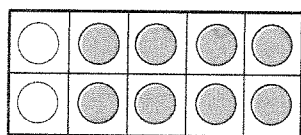
$$18 + \square = 19$$

$$16 + \square = 19$$

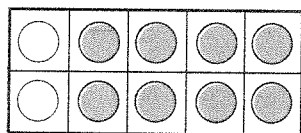
Find and make number bonds

1 Complete the additions to match the ten frames.

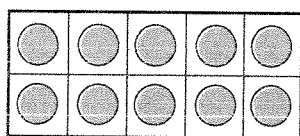
a)



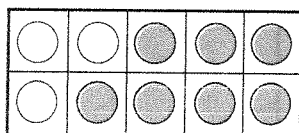
$$\square + \square = \square$$



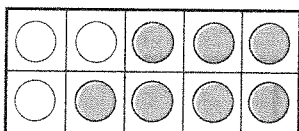
$$\square + \square = \square$$



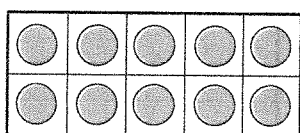
b)



$$\square + \square = \square$$

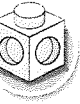


$$\square + \square = \square$$



c) What do you notice?





2 Complete the number bonds.

a) $4 + 6 =$

$4 + 16 =$

b) $5 + 5 =$

$5 + 15 =$

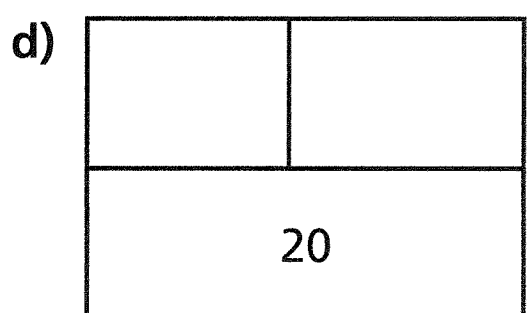
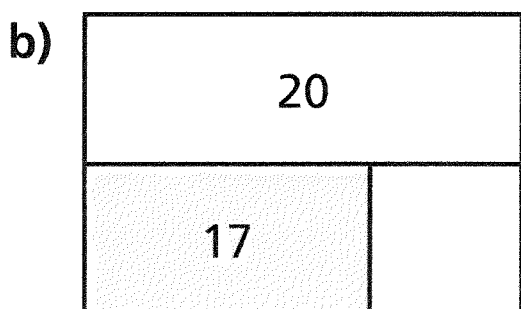
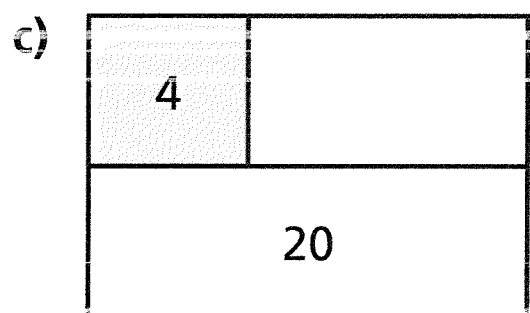
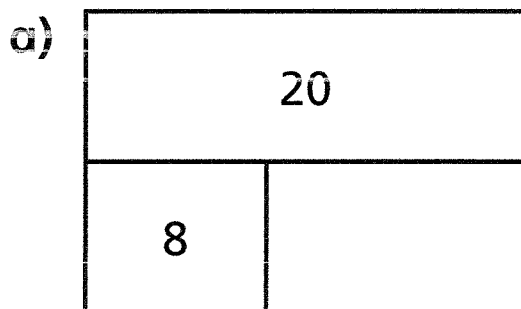
c) $10 =$ $+ 1$

$20 =$ $+ 1$

d) $10 = 3 +$

$20 =$ $+ 13$

3 Complete the bar models.





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.



| | | | | | | |
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One to one correspondence

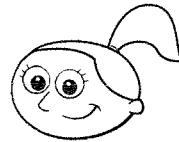
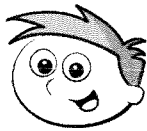
- 1 a) Can each horse have 1 carrot?



How do you know?



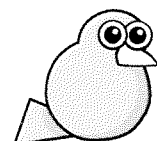
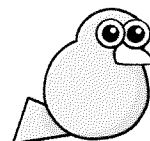
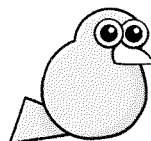
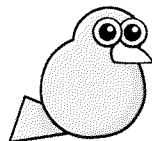
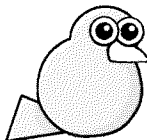
- b) Can each child have 1 apple?



How do you know?

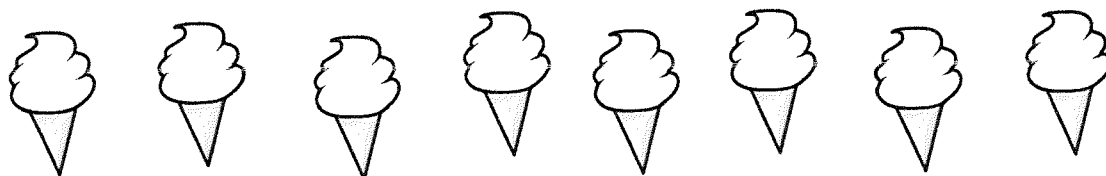
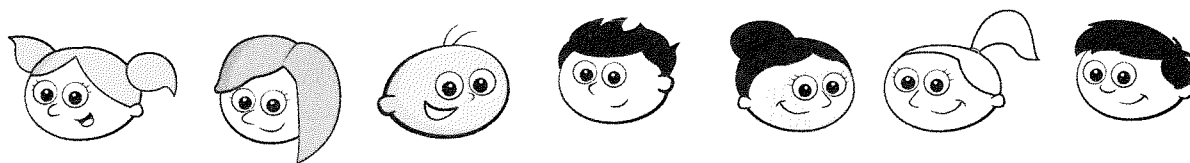


- 2 Draw 1 worm for each bird.



3 Can all the children have 1 ice cream each?

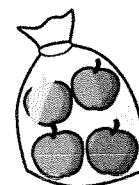
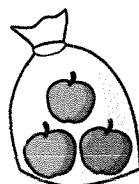
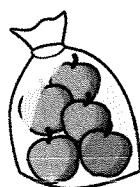
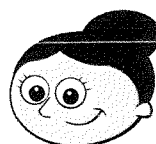
Tick your answer.



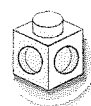
yes

no

4 Tick the bag of apples for the number of children.



5 Give each of your friends a pencil.
Count them out.



Compare objects

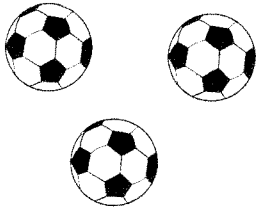
Write the missing phrase.

greater than

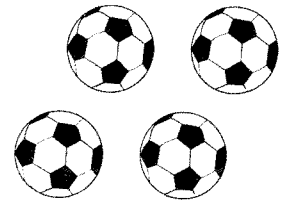
less than

equal to

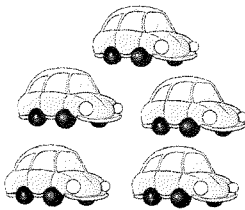
a)



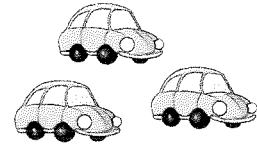
is _____



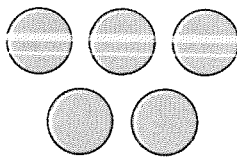
b)



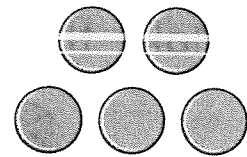
is _____



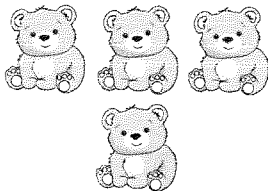
c)



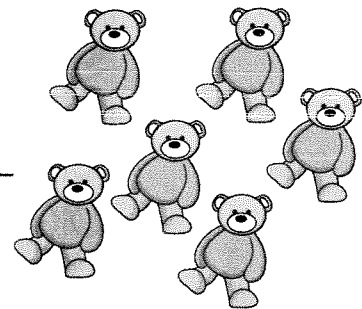
is _____



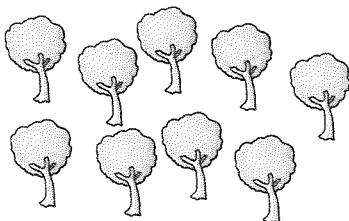
d)



is _____



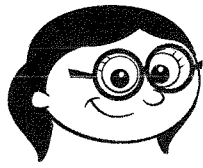
e)



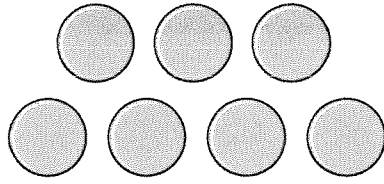
is _____



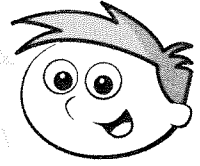
2 Draw Teddy's counters.



Annie



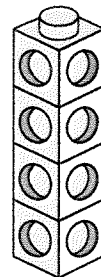
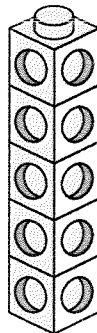
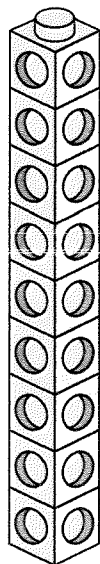
I have
fewer counters
than Annie.



Teddy

Is there more than one answer?

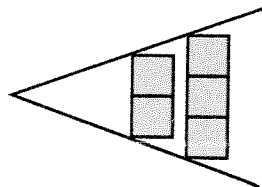
3 Make these towers with cubes.



Move 3 cubes to make the towers equal.

Introduce <, > and =

- 1 The picture shows that 2 is less than 3



$$2 < 3$$

Draw a picture to show that 1 is less than 3

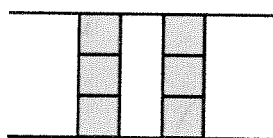
.....

.....

.....

Write <, > or = in the circle. 1 3

- 2 The picture shows that 3 is equal to 3



$$3 = 3$$

Draw a picture to show that 4 is equal to 4

.....

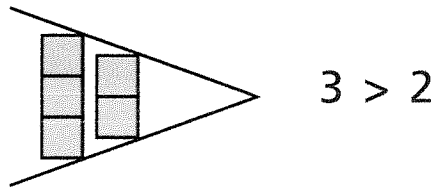
.....

.....

.....

Write <, > or = in the circle. 4 4

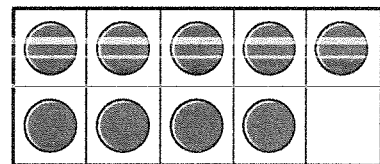
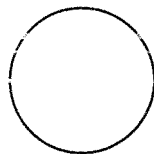
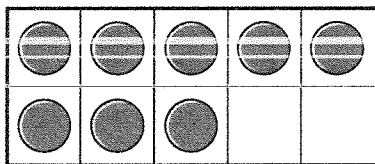
- 3 The picture shows that 3 is greater than 2



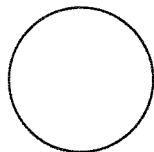
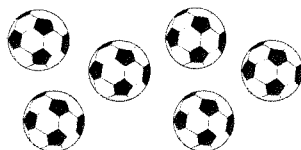
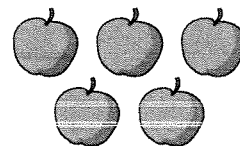
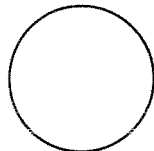
Draw a picture to show that 4 is greater than 3

Write $<$, $>$ or $=$ in the circle. 4 3

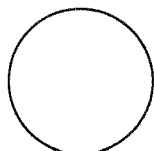
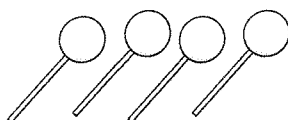
- 4 Write $<$, $>$ or $=$ in each circle.



five



7



zero



Compare numbers

1 Write the missing phrase.

less than

greater than

equal to

a) 4 is _____ 5

b) 5 is _____ 9

c) 7 is _____ seven

2 Write $<$, $>$ or $=$ to compare the numbers.

a) 4 5

e) 8 2

b) 5 9

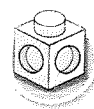
f) 3 8

c) 7 7

g) 6 0

d) 1 2

h) 4 9



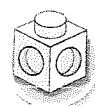
3 One of these statements is false.

$3 < 6$

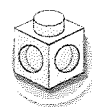
$7 > 10$

$5 < 8$

Use cubes to show which one is false.



4 Write the missing numbers.



a) $4 > \square$

d) $7 < \square$

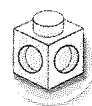
b) $\square < 2$

e) $9 = \square$

c) $\square > 7$

f) $1 > \square$

5 Write numbers to complete the statements.



$$\square > \square$$

$$\square < \square$$

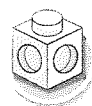
$$\square = \square$$

6 Dora has 5 pencils.

Ron has 2 pencils.

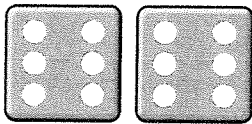
Annie has more pencils than Ron but less than Dora.

How many pencils could Annie have?

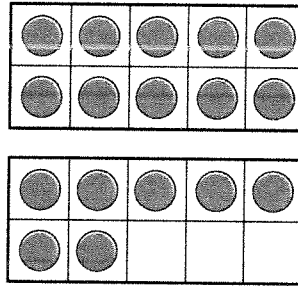


Count forwards and backwards and write numbers to 20 in numerals and words

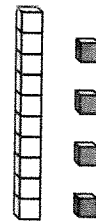
1 Match the picture to the numeral.



12

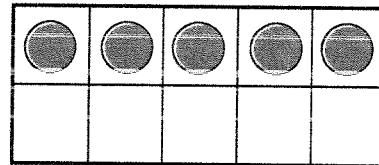
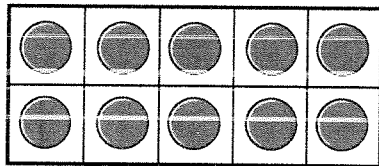


14

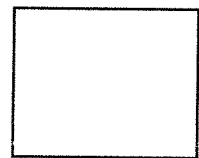


17

2 Here is a number.



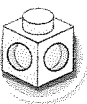
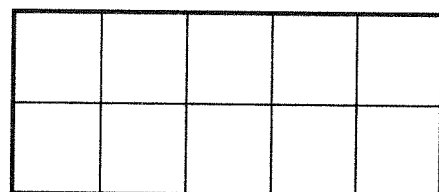
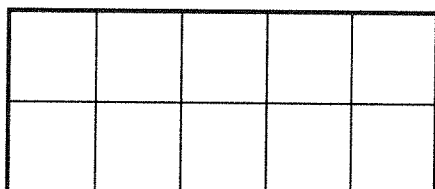
a) What is the number?



b) Use counters and ten frames.

Make this number in a different way.

Draw your counters.



3 Write the numerals in words.

a) 12 _____

b) 13 _____

c) 15 _____

d) 18 _____

e) 20 _____

4 Complete the number tracks.

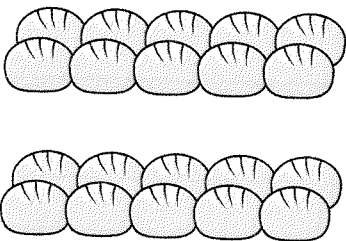
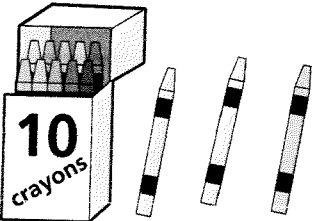
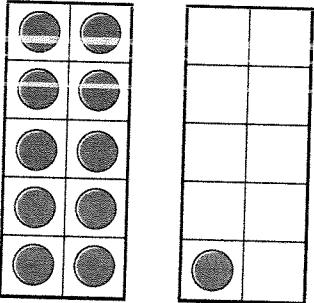
| | | | | | | | | | |
|----|----|----|--|--|--|--|--|--|--|
| 10 | 11 | 12 | | | | | | | |
|----|----|----|--|--|--|--|--|--|--|

| | | | | | | | | | |
|--|--|--|----|----|--|--|--|--|--|
| | | | 12 | 13 | | | | | |
|--|--|--|----|----|--|--|--|--|--|

| | | | | | | | | | |
|----|----|--|--|--|--|--|--|--|--|
| 18 | 17 | | | | | | | | |
|----|----|--|--|--|--|--|--|--|--|

Numbers from 11 to 20

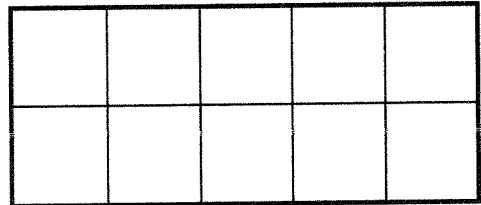
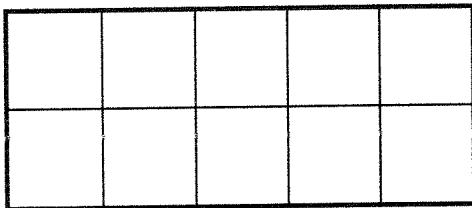
1 Complete the table.

| Picture | Numeral | Word |
|---|---------|-----------|
|  | 20 | |
|  | | |
|  | | |
| | 12 | |
| | | seventeen |

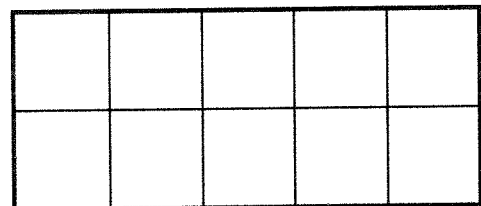
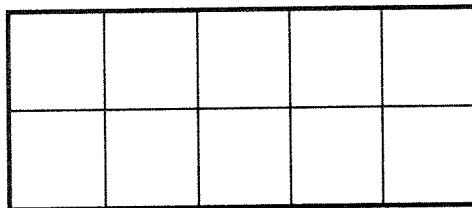
- 2 Draw counters to show 14 in three different ways.



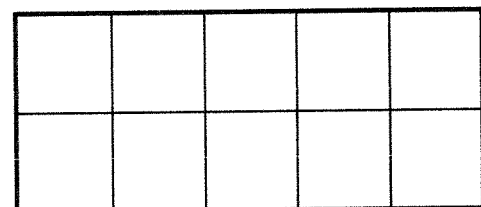
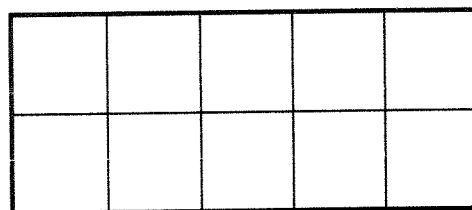
a)



b)

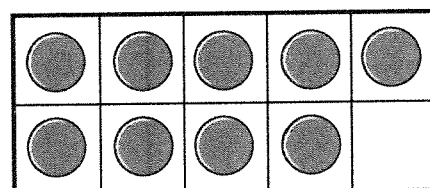
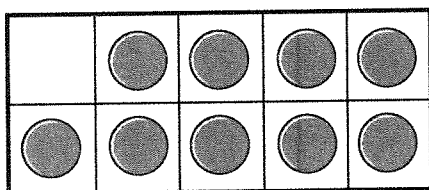
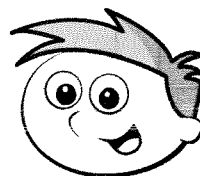


c)



3

I have made
the number 19

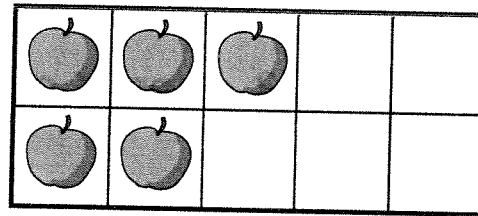
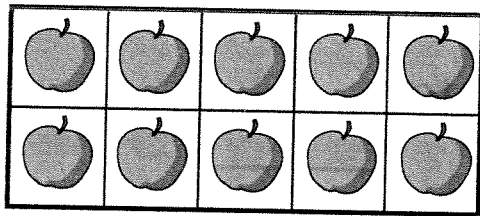


Has Teddy made the number 19?



Tens and ones

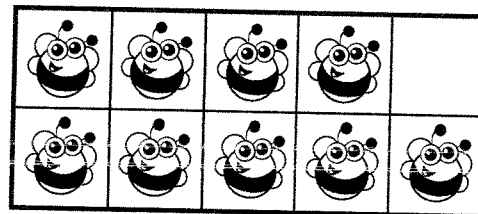
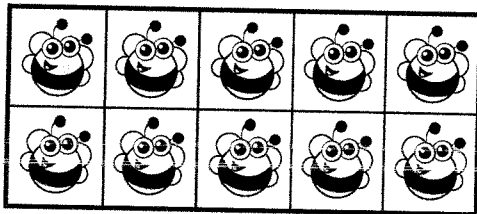
I a) How many apples are there?



There is ten and ones.

There are apples.

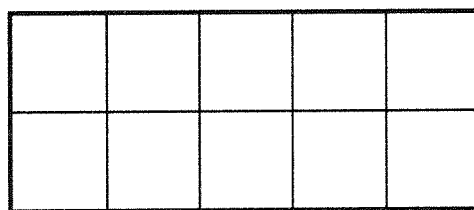
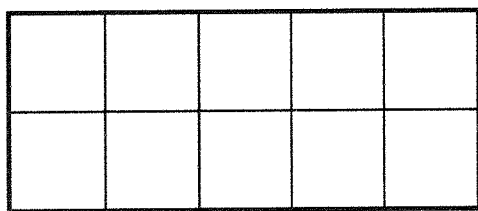
b) How many bees are there?



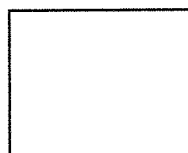
There is ten and ones.

There are bees.

- 2 Draw counters to show 1 ten and 3 ones.



1 ten and 3 ones is equal to

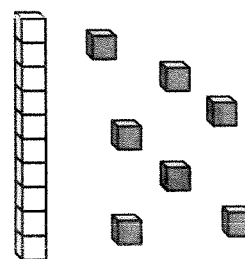


- 3 Match the number sentences to the pictures.

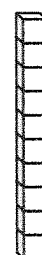
1 ten and 7 ones



1 ten and 1 one



1 ten and 8 ones



4 Complete the sentences.

a) 1 ten and 6 ones =

b) = 1 ten and 3 ones

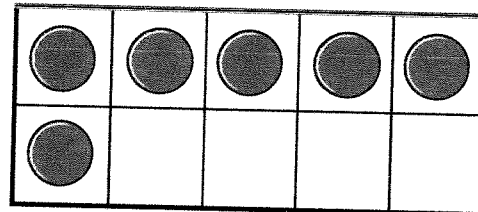
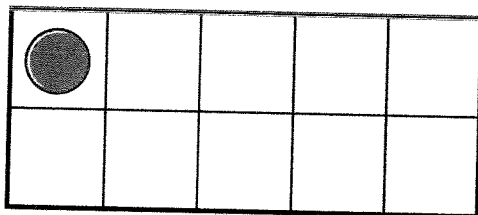
c) 15 = ten and ones

d) 2 tens =

e) 1 ten and 10 ones =

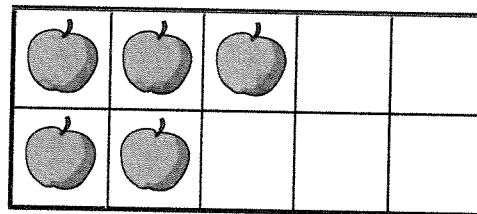
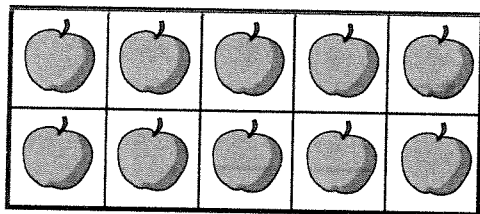
5 Is this true or false?

The ten frames show the number 16



Tens and ones

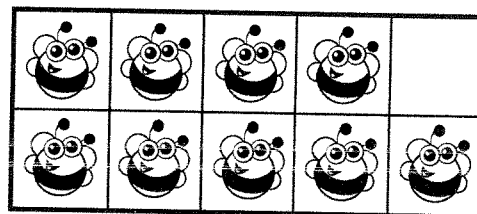
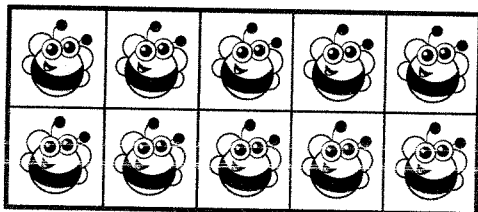
I a) How many apples are there?



There is ten and ones.

There are apples.

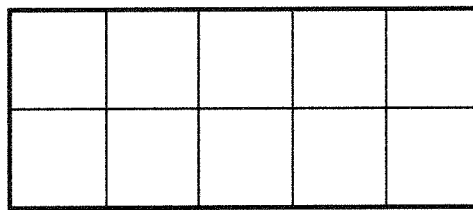
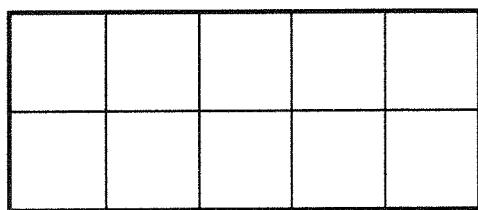
b) How many bees are there?



There is ten and ones.

There are bees.

- 2 Draw counters to show 1 ten and 3 ones.

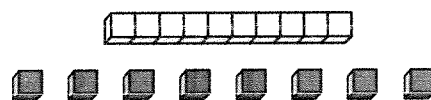


1 ten and 3 ones is equal to

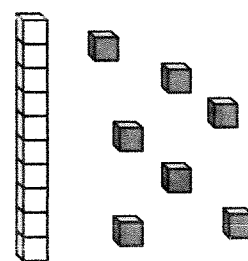


- 3 Match the number sentences to the pictures.

1 ten and 7 ones



1 ten and 1 one



1 ten and 8 ones



4 Complete the sentences.

a) 1 ten and 6 ones =

b) = 1 ten and 3 ones

c) 15 = ten and ones

d) 2 tens =

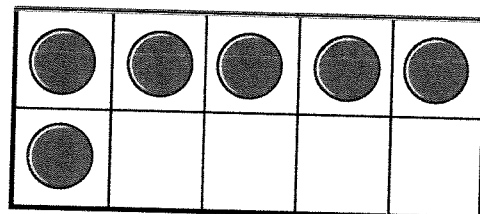
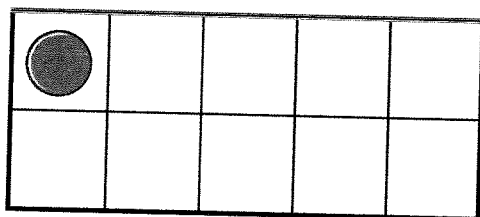
e) 1 ten and 10 ones =



5 Is this true or false?

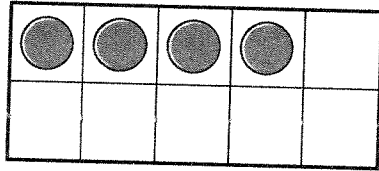


The ten frames show the number 16

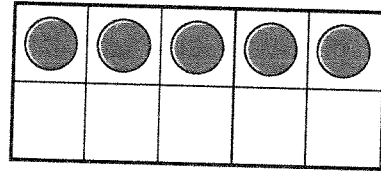
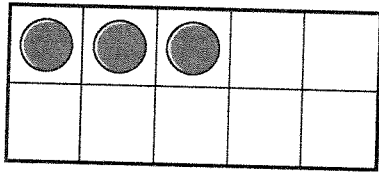


Count one less

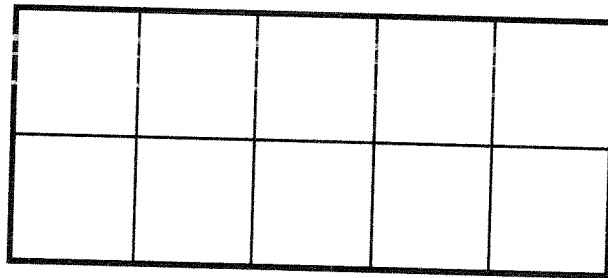
1 Here is 4



Tick one less than 4



2 Draw one less than 7



3 a) Circle one less than 5

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|

b) Circle one less than 6

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|

4 Write the missing numbers.

a) One less than three is

b) One less than 7 is

c) One less than 9 is

d) One less than 1 is

5 Write the missing numbers.

a) One less than

is 5

a) One less than

is 9

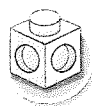
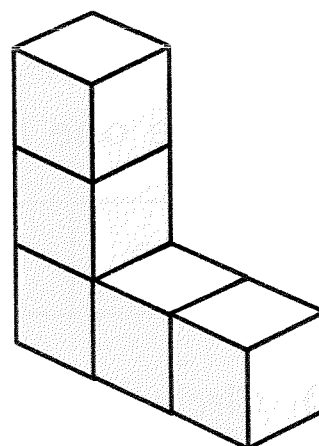
c) One less than

is zero.

6 Ron makes a shape with cubes.

Dora wants to make a shape.
She has one less cube.

What shapes can Dora make?



Count one more

- 1 a) Draw one more than 4

| | | | | |
|---|---|---|---|--|
| ● | ● | ● | ● | |
| | | | | |

- b) Draw one more than 7

| | | | | |
|---|---|---|---|---|
| ● | ● | | ● | ● |
| | ● | ● | | ● |

- c) Draw one more than 5

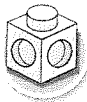
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| | | | | |
| | | | | |

- 2 a) Circle one more than 6

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|

- b) Circle one more than 1

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|



3 Write the missing numbers.

a) One more than 3 is

b) One more than seven is

c) One more than 9 is

d) One more than 0 is

4 Write the missing numbers.

a) One more than is 5

b) One more than is nine.

c) One more than is 1

5 Colour the number that is one more than 6

| | | | | | | | | | |
|----|---|---|---|---|---|---|---|---|---|
| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
|----|---|---|---|---|---|---|---|---|---|

