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Answers and Mark Schemes

Chapters 1 to 12 and the examination 300

Name: _____ Class: _____ Date: _____

PRIMARY 1 · MATHEMATICS · NUMBERS UP TO 20

Numbers up to 20

Theory and worked examples

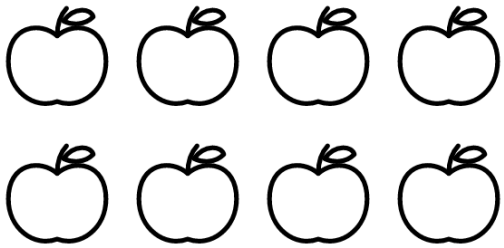
Counting Objects

Count to find how many there are. Point to each object and say one number.
Tick each one after you count it, so you do not count it twice.

- Count from left to right, one row at a time.
- The last number you say tells you how many there are.

WORKED EXAMPLE

How many apples are there?



1. Count the top row: 1, 2, 3, 4.
2. Go on with the next row: 5, 6, 7, 8.
3. The last number is 8.

There are 8 apples.

TRY THIS

Count the buttons. How many buttons are there?



Answer: 7 buttons

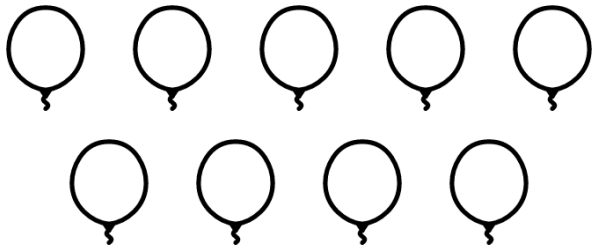
Numbers 0 to 10 in Numerals and Words

We can write a number as a numeral or as a word. 3 is a numeral. The word for 3 is three. 0 (zero) means there is nothing.

Numeral	Word	Numeral	Word
0	zero	6	six
1	one	7	seven
2	two	8	eight
3	three	9	nine
4	four	10	ten
5	five		

WORKED EXAMPLE

How many balloons are there? Write the number as a numeral and as a word.



1. Count: 1, 2, 3, 4, 5, 6, 7, 8, 9.
2. As a numeral we write 9. As a word we write nine.

9 (nine) balloons

TRY THIS

Write 6 in words.

Answer: six

Ten Frames

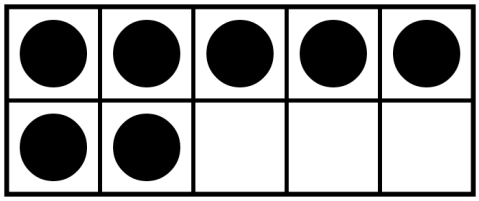
A ten frame has 10 boxes in 2 rows of 5. Fill the top row first, from the left.
Then fill the bottom row. A full ten frame shows 10.

KEY IDEA

A full top row is 5. When the frame is full, we have 10.

WORKED EXAMPLE

What number does the ten frame show? How many more counters are needed to fill the ten frame?

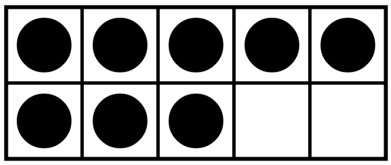


1. The top row is full. That is 5.
2. Count on along the bottom row: 6, 7. The frame shows 7.
3. There are 3 empty boxes. 3 more counters fill the frame.

The ten frame shows 7. 3 more make 10.

TRY THIS

What number does the ten frame show?



Answer: 8 (5 and 3 more)

10 and Some More: 11 to 20

The numbers 11 to 19 are 10 and some more. Fill one ten frame to make 10.
Put the rest in a second ten frame. The first frame is 1 ten. The rest are ones.

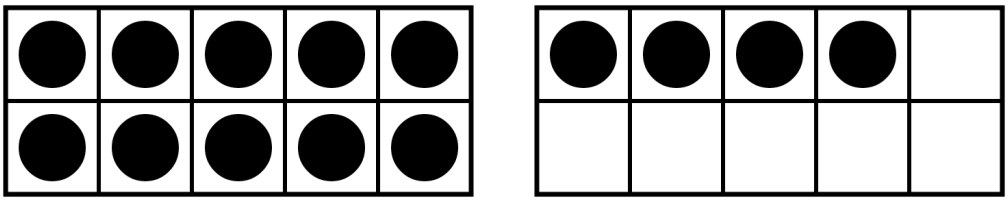
KEY IDEA

10 ones = 1 ten. 20 is 2 tens.

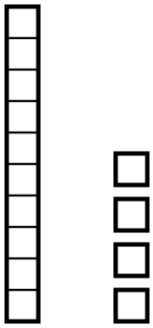
Number	Tens	Ones
12	1	2
15	1	5
19	1	9
20	2	0

WORKED EXAMPLE

What number do the ten frames show? Fill in the blanks.
____ ten and ____ ones make ____.



1. The first frame is full. That is 1 ten (10).
2. The second frame has 4 counters. That is 4 ones.
3. 10 and 4 more make 14.



4. With base-ten blocks, 14 is 1 rod (1 ten) and 4 cubes (4 ones).

1 ten and 4 ones make 14.

TRY THIS

Fill in the blanks. 17 = ____ ten and ____ ones

Answer: 17 = 1 ten and 7 ones

Numbers 11 to 20 in Words

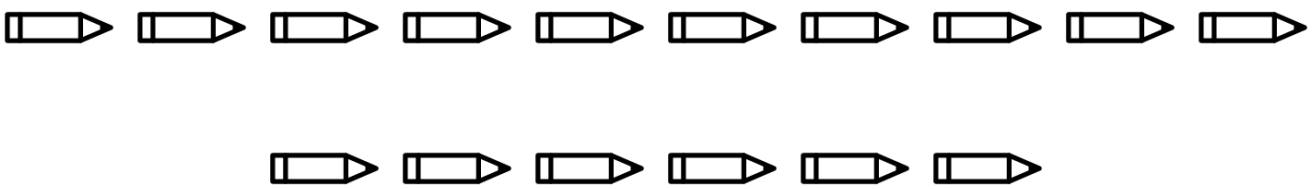
Learn to read and write the number words up to 20. Many of these words end in "teen", like sixteen and nineteen.

- Take care with 11 (eleven), 12 (twelve), 13 (thirteen), 15 (fifteen) and 20 (twenty).

Numeral	Word	Numeral	Word
11	eleven	16	sixteen
12	twelve	17	seventeen
13	thirteen	18	eighteen
14	fourteen	19	nineteen
15	fifteen	20	twenty

WORKED EXAMPLE

How many pencils are there? Write the number in words.



1. The top row has 10 pencils. That is 1 ten.
2. Count on along the bottom row: 11, 12, 13, 14, 15, 16.
3. 16 is written as sixteen.

16 (sixteen) pencils

TRY THIS

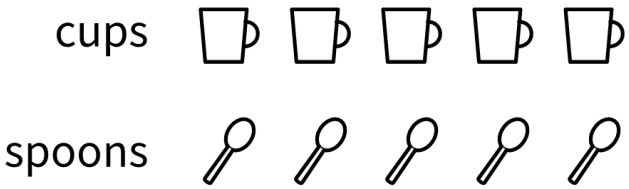
Write eighteen as a numeral.

Answer: 18

Comparing Sets: More, Fewer, the Same

To compare two sets, match each object in one set with one object in the other set. The set with objects left over has more. The other set has fewer.

- If no objects are left over, the two sets have the same number.
- Count the objects left over to find how many more.



CHAPTER 1

Practice Questions

Part 2: Numbers up to 20



In the practice questions

22 questions, 40 marks. Show your working in the space given and write your answer on the answer line. The answers are on page 301.

- Section A: Multiple-Choice Questions: 8 questions, 8 marks
- Section B: Short-Answer Questions: 10 questions, 20 marks
- Section C: Problem Sums: 4 questions, 12 marks

Name: _____ Class: _____ Date: _____

PRIMARY 1 · MATHEMATICS · NUMBERS UP TO 20

Numbers up to 20

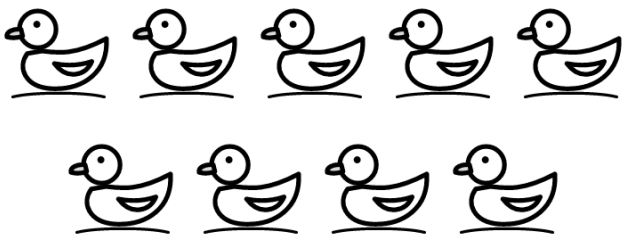
INSTRUCTIONS

- 22 questions, 40 marks in total. Time allowed: 1 hour.
- Answer all questions in the spaces provided.
- Show your working in the space below each problem sum.

Section A: Multiple-Choice Questions

Each question has four options. Only one is correct. Write its letter (A, B, C or D) in the brackets.

1 How many ducks are there? ( ) [1]

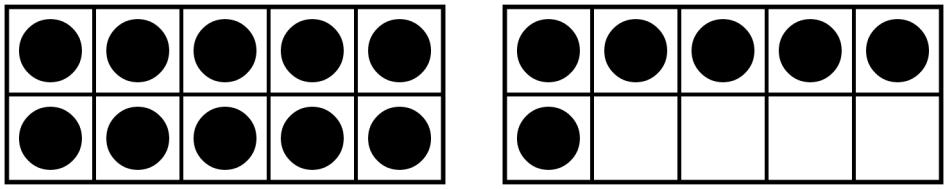


(A) 7 (B) 8 (C) 9 (D) 10

2 Which numeral is fourteen? ( ) [1]

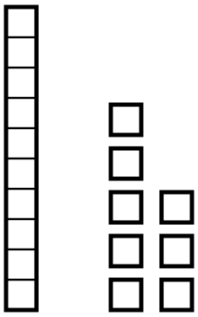
(A) 4 (B) 14 (C) 40 (D) 41

3 What number do the ten frames show? ( ) [1]



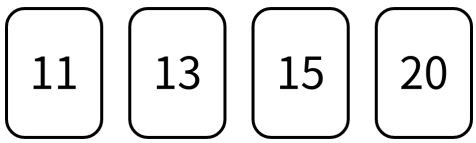
Ⓐ 6 Ⓑ 15 Ⓒ 16 Ⓓ 17

4 1 ten and 8 ones make ____. ( ) [1]



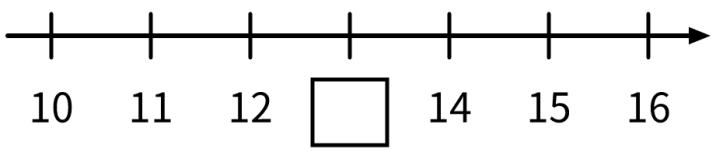
Ⓐ 9 Ⓑ 18 Ⓒ 19 Ⓓ 81

5 Which number is smaller than 13? ( ) [1]



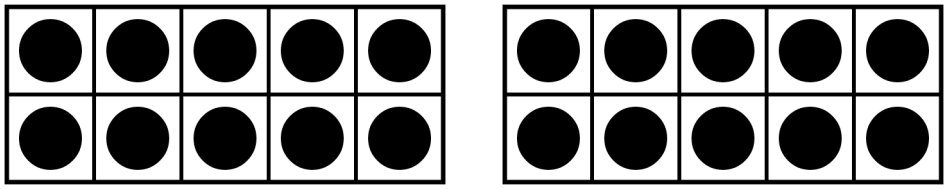
Ⓐ 11 Ⓑ 13 Ⓒ 15 Ⓓ 20

6 What is the missing number on the number track? ( ) [1]



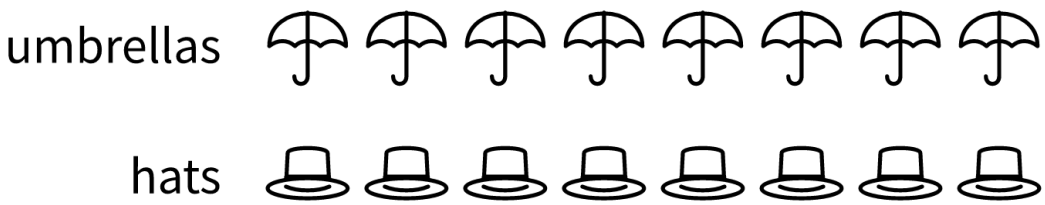
Ⓐ 12 Ⓑ 13 Ⓒ 14 Ⓓ 15

7 20 is ____. ( ) [1]



(A) 1 ten and 2 ones (B) 2 tens and 0 ones (C) 2 tens and 2 ones (D) 1 ten and 0 ones

8 Look at the umbrellas and the hats. Which sentence is correct? ( ) [1]



(A) There are more umbrellas than hats.
(B) There are more hats than umbrellas.
(C) There are fewer umbrellas than hats.
(D) There are as many umbrellas as hats.