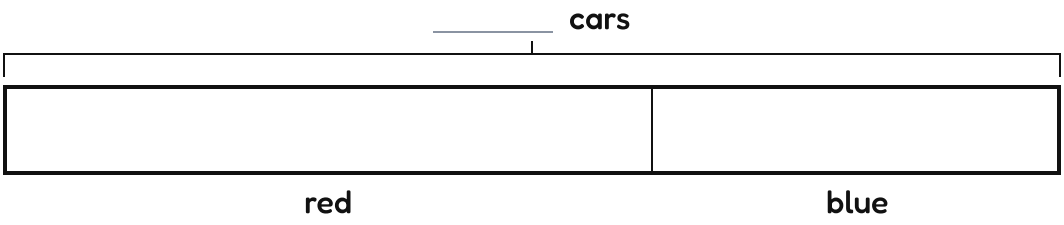
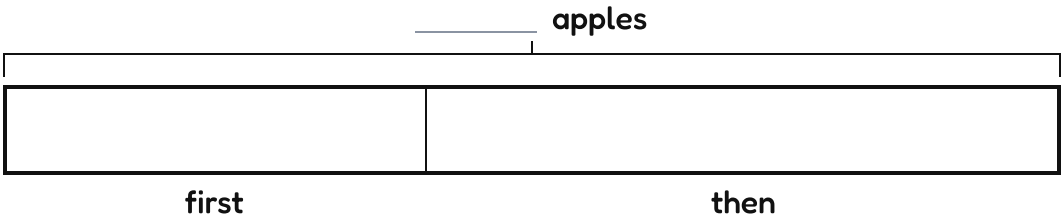
Tape Diagrams: Put Together

Write the numbers on the bars and a ? for the one you need. Then solve.

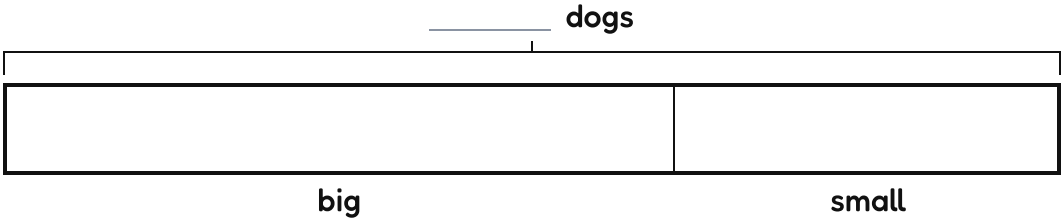
Sam has 8 red cars and 5 blue cars. How many cars does Sam have?



Maya picks 6 apples. Then she picks 9 more apples. How many apples does Maya pick in all?



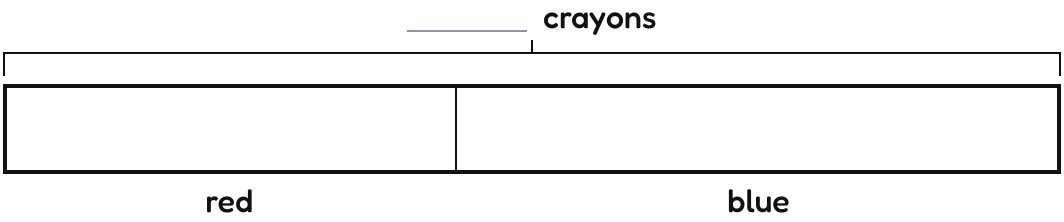
There are 7 big dogs and 4 small dogs at the park. How many dogs are at the park?



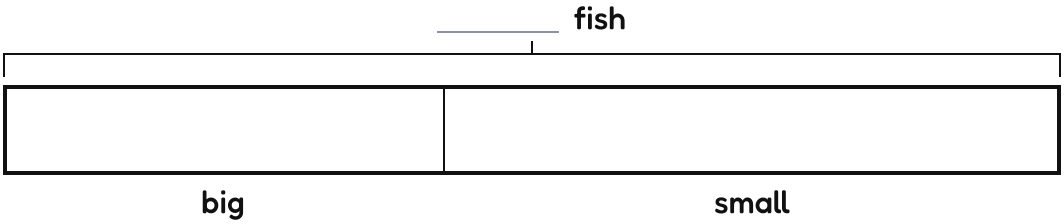
Tape Diagrams: Find the Part

Write the numbers on the bars and a ? for the one you need. Then solve.

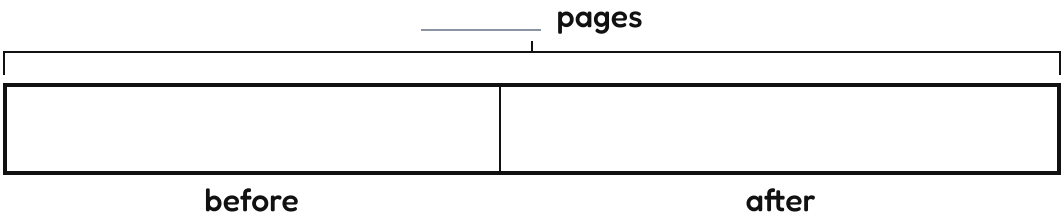
Leo has 14 crayons. 6 crayons are red and the rest are blue. How many crayons are blue?



There are 12 fish in a tank. 5 fish are big. How many fish are small?



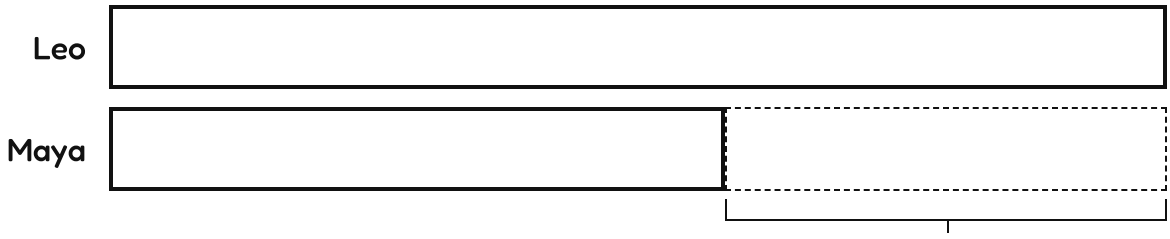
Ben read 17 pages today. He read 8 pages before lunch. How many pages did he read after lunch?



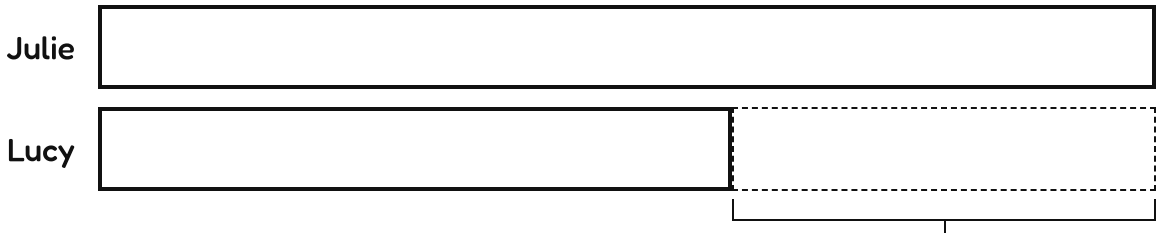
Tape Diagrams: Compare

Write the numbers on the bars and a ? for the one you need. Then solve.

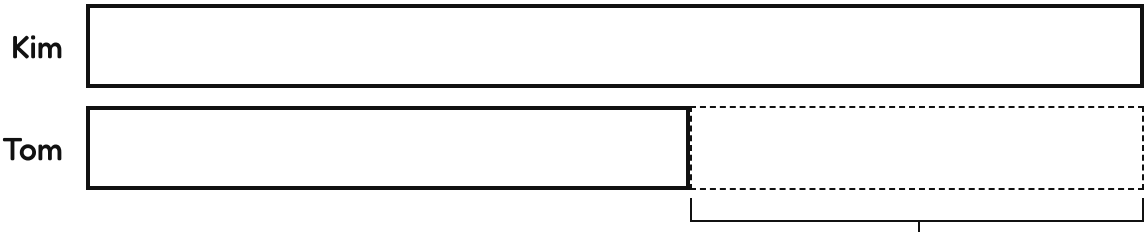
Maya has 7 stickers. Leo has 12 stickers. How many more stickers does Leo have?



Julie has 15 shells. Lucy has 6 fewer shells than Julie. How many shells does Lucy have?



Kim has 14 blocks. She has 6 more blocks than Tom. How many blocks does Tom have?



Tape Diagrams: Numbers to 100

Draw the bars, write the numbers and a ? for the one you need, then solve.

A farm has 35 hens and 28 ducks. How many birds are on the farm?

Sam scored 46 points. Maya scored 19 more points than Sam. How many points did Maya score?

A bus has 72 seats. 45 seats are taken. How many seats are empty?

Tape Diagrams: Equal Parts

Draw the bars, write the numbers and a ? for the one you need, then solve.

There are 4 bags with 6 apples in each bag. How many apples are there?

Leo puts 30 stickers into 5 equal piles. How many stickers are in each pile?

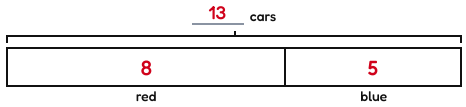
Maya has 7 packs of crayons with 5 crayons in each pack. How many crayons does she have?

Tape Diagram Word Problems: Answer Key

For the grown-up. One way to draw each problem, with the answers in red; other bar drawings can be right.

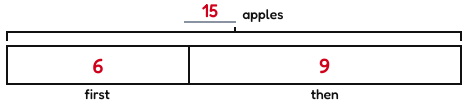
Page 1

Sam has 8 red cars and 5 blue cars. How many cars does Sam have?



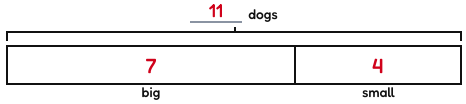
8 + 5 = 13 cars

Maya picks 6 apples. Then she picks 9 more apples. How many apples does Maya pick in all?



6 + 9 = 15 apples

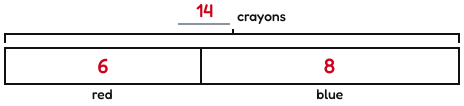
There are 7 big dogs and 4 small dogs at the park. How many dogs are at the park?



7 + 4 = 11 dogs

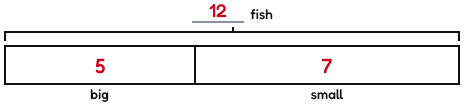
Page 2

Leo has 14 crayons. 6 crayons are red and the rest are blue. How many crayons are blue?



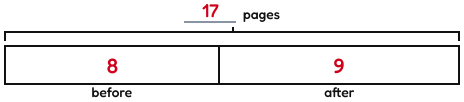
14 – 6 = 8 blue crayons

There are 12 fish in a tank. 5 fish are big. How many fish are small?



12 – 5 = 7 small fish

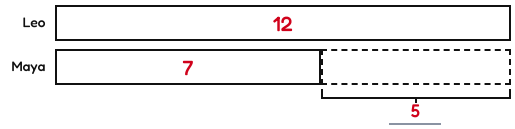
Ben read 17 pages today. He read 8 pages before lunch. How many pages did he read after lunch?



17 – 8 = 9 pages

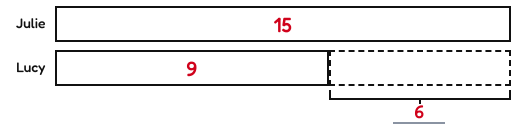
Page 3

Maya has 7 stickers. Leo has 12 stickers. How many more stickers does Leo have?



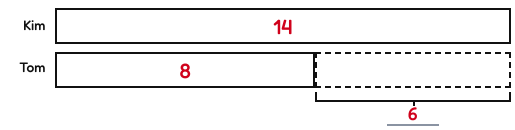
12 – 7 = 5 more stickers

Julie has 15 shells. Lucy has 6 fewer shells than Julie. How many shells does Lucy have?



15 – 6 = 9 shells

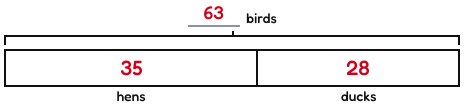
Kim has 14 blocks. She has 6 more blocks than Tom. How many blocks does Tom have?



14 – 6 = 8 blocks

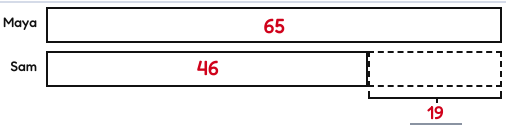
Page 4

A farm has 35 hens and 28 ducks. How many birds are on the farm?



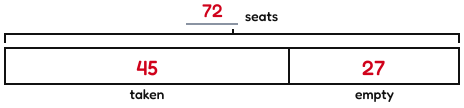
35 + 28 = 63 birds

Sam scored 46 points. Maya scored 19 more points than Sam. How many points did Maya score?



46 + 19 = 65 points

A bus has 72 seats. 45 seats are taken. How many seats are empty?



72 – 45 = 27 empty seats

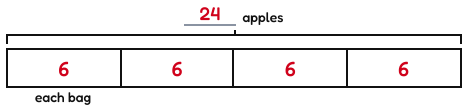
Wonster WORDS
www.wonsterwords.com/download

Tape Diagram Word Problems: Answer Key

For the grown-up. One way to draw each problem, with the answers in red; other bar drawings can be right.

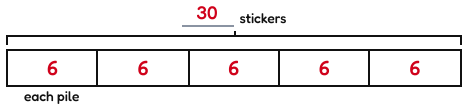
Page 5

There are 4 bags with 6 apples in each bag. How many apples are there?



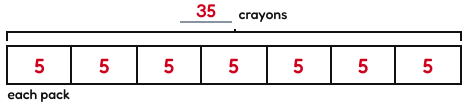
4 x 6 = 24 apples

Leo puts 30 stickers into 5 equal piles. How many stickers are in each pile?



30 ÷ 5 = 6 in each pile

Maya has 7 packs of crayons with 5 crayons in each pack. How many crayons does she have?



7 x 5 = 35 crayons

For Grown-Ups: How to Use These Worksheets

One page at a time, from first grade. A first grader stops after page 3.

Why use it

Each problem is solved by drawing first and choosing the operation last, so the choice comes from the picture and not from a key word. On pages 1, 2, and 3 the bars are drawn for your child; on pages 4 and 5 your child draws them too.

What it is good for

- Adding and subtracting within 20 with parts and a whole.
- Comparing two amounts, including a more problem that needs a subtraction.
- Numbers to 100, then equal parts for multiplying and dividing in third grade.

How to use it

1. Read the story aloud, and ask what is being counted.
2. Find the whole and its parts, or the two amounts being compared.
3. Write each number from the story on its part of the bars, and a ? on the part the question asks for.
4. Decide from the bars whether to add or subtract, and write the number sentence on the line.
5. Write the answer with its word. Check with the answer key, where the answers are in red.

> **Try saying:** “Which bar is longer? Is the ? a part or the whole?”

Tip: If your child adds every time a story says more, go back to the compare page and look at where the ? sits.