

40 ACTIVITIES | A4 PDF

Grade 1 Maths

Numbers 0-20 with pictures and stories



Grade 1, according to readiness

Worked example, guidance and grown-up answer notes

Free, without an account. One little step at a time.

For grown-ups

Goal

Explore quantities, tens and ones, number order, part-whole models, addition and subtraction.

How to use

Start with one page that suits your child. Read instructions aloud if needed, model one example, then give your child a turn. Listen to their ideas.

Starting point

Grade 1, according to readiness. Age is a guide, not a deadline. There is no need to finish quickly or make perfect marks.

Stages

01-10 explore; 11-20 try with help; 21-30 try independently; 31-40 challenge. Return to easier practice whenever helpful.

Materials

A pencil, eraser and crayons. Scissor activities also need child-safe scissors, easy-to-cut paper and direct adult supervision.

Encouragement

Celebrate effort and allow another try. Stop if your child feels tired or uncomfortable.

Try an example together



$$3 + 2 = 5$$

Count three apples, then two pears. Count the groups together: one, two, three, four, five. There are five pieces of fruit altogether.

Use real objects if helpful. Link the pictures to a number sentence. Addition combines quantities. Subtraction takes away or finds a difference, depending on the story.

Your 40-activity map

01-05	Count to ten
06-10	Tens and ones
11-15	Number order
16-20	Parts and wholes
21-25	Add within twenty
26-30	Subtract within twenty
31-35	Number stories
36-40	Check and explain

Keep any notes privately. No child name, account or profile is needed.

Print and use comfortably

Print

Use A4 portrait, actual size / 100%, preferably single-sided. Print one sample page first. The frame has margins of more than 9 mm.

Black and white

Colour is only an accent. Text, shapes, numbers and path markers still work in black and white.

Scissor safety

Dashed lines are the child's cutting path. A grown-up prepares the outside strips. Use child-safe scissors and direct supervision.

Use and ownership

Free for personal, family and classroom use. You may print for your own pupils. Do not resell or re-upload the PDFs as your own collection. Share the PlayNana page link.

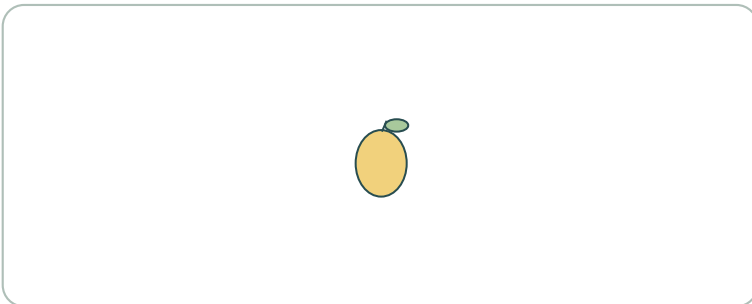
Checks and limits

PDF pages and answers are checked digitally. Physical printing and use with children have not been tested. Adjust the help you offer and stop if uncomfortable.

EXPLORE

Count to ten

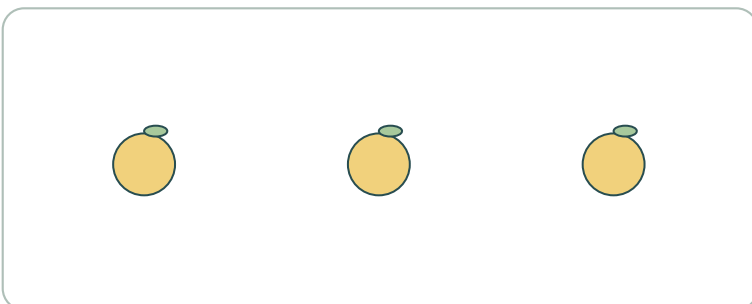
Count each object. Write the total in the box.



Total:



Total:



Total:

Use your fingers or real objects if helpful. Explain how you worked it out.

EXPLORE

Count to ten

Count each object. Write the total in the box.



Total:



Total:



Total:

Use your fingers or real objects if helpful. Explain how you worked it out.

EXPLORE

Count to ten

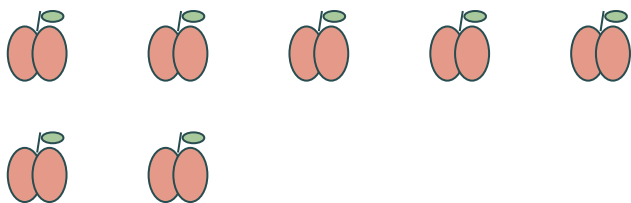
Count each object. Write the total in the box.



Total:



Total:



Total:

Use your fingers or real objects if helpful. Explain how you worked it out.

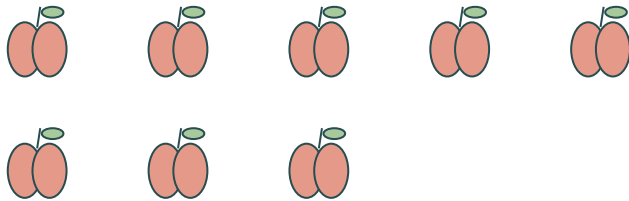
EXPLORE

Count to ten

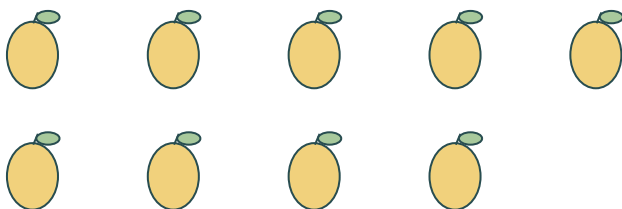
Count each object. Write the total in the box.



Total:



Total:



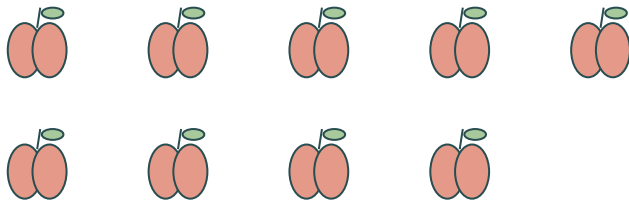
Total:

Use your fingers or real objects if helpful. Explain how you worked it out.

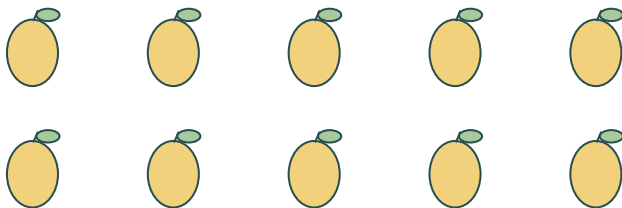
EXPLORE

Count to ten

Count each object. Write the total in the box.



Total:



Total:



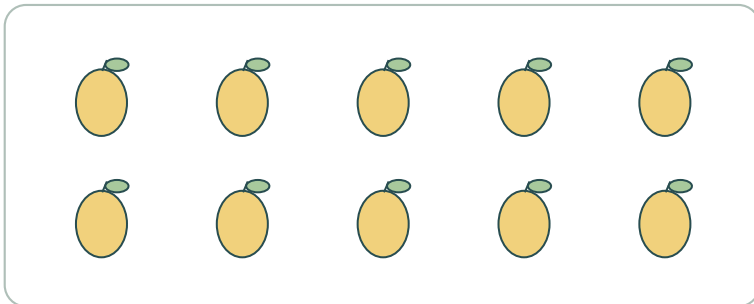
Total:

Use your fingers or real objects if helpful. Explain how you worked it out.

EXPLORE

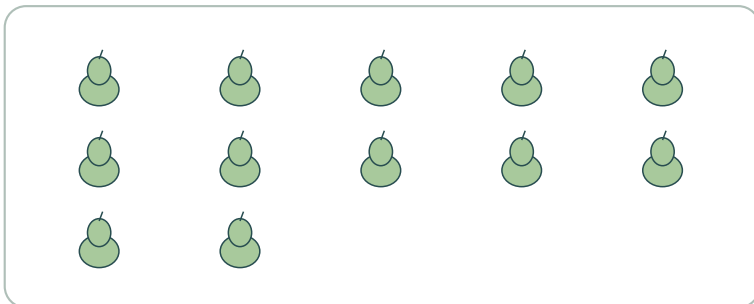
Tens and ones

Count the objects. Make groups of ten and write the tens and ones.



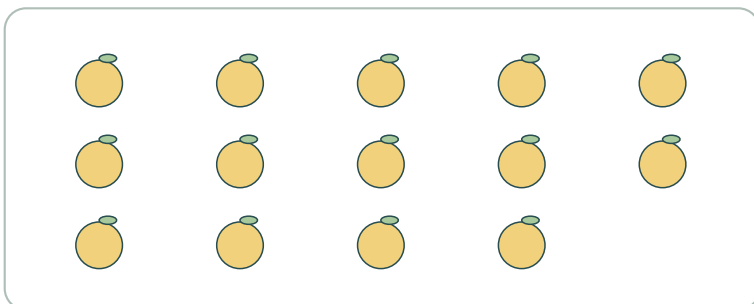
Tens:

Ones:



Tens:

Ones:



Tens:

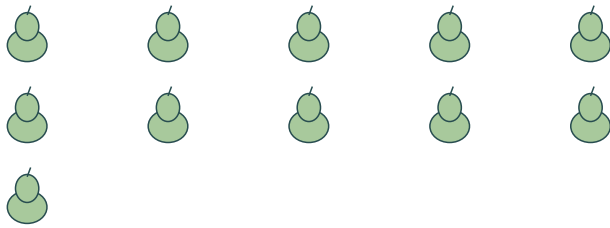
Ones:

Use your fingers or real objects if helpful. Explain how you worked it out.

EXPLORE

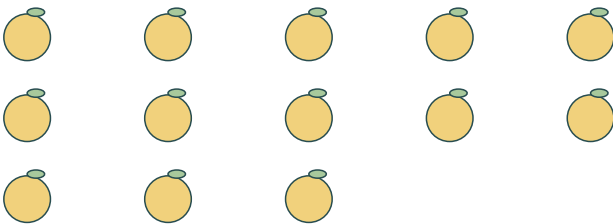
Tens and ones

Count the objects. Make groups of ten and write the tens and ones.



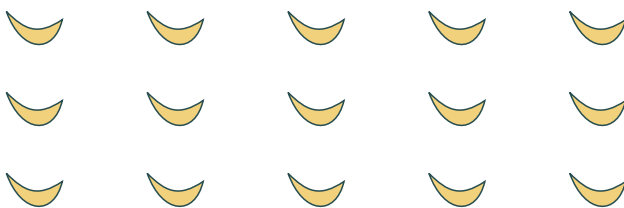
Tens:

Ones:



Tens:

Ones:



Tens:

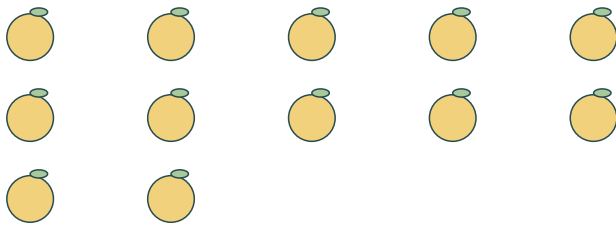
Ones:

Use your fingers or real objects if helpful. Explain how you worked it out.

EXPLORE

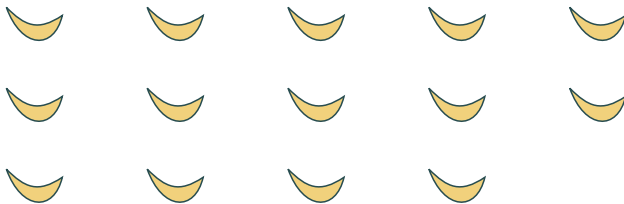
Tens and ones

Count the objects. Make groups of ten and write the tens and ones.



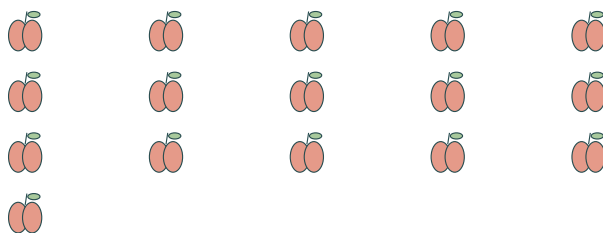
Tens:

Ones:



Tens:

Ones:



Tens:

Ones:

Use your fingers or real objects if helpful. Explain how you worked it out.

EXPLORE

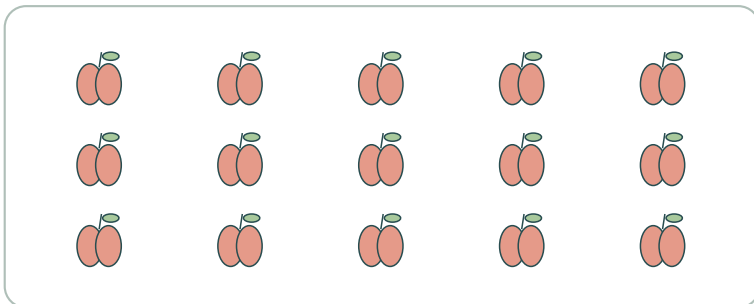
Tens and ones

Count the objects. Make groups of ten and write the tens and ones.



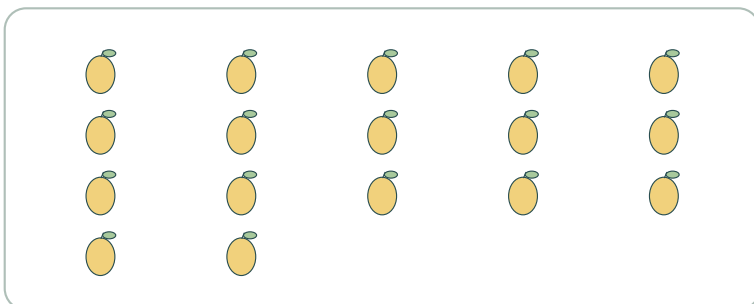
Tens:

Ones:



Tens:

Ones:



Tens:

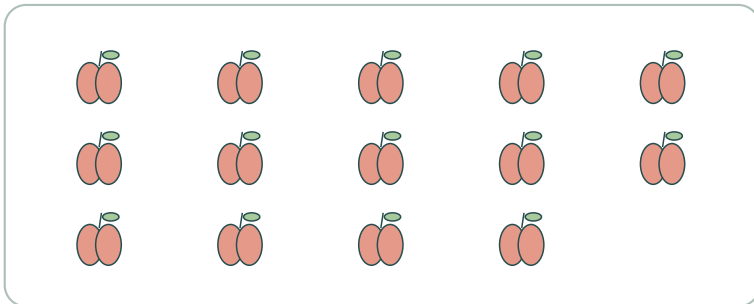
Ones:

Use your fingers or real objects if helpful. Explain how you worked it out.

EXPLORE

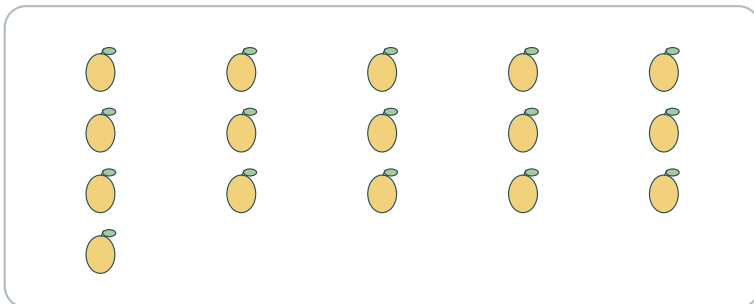
Tens and ones

Count the objects. Make groups of ten and write the tens and ones.



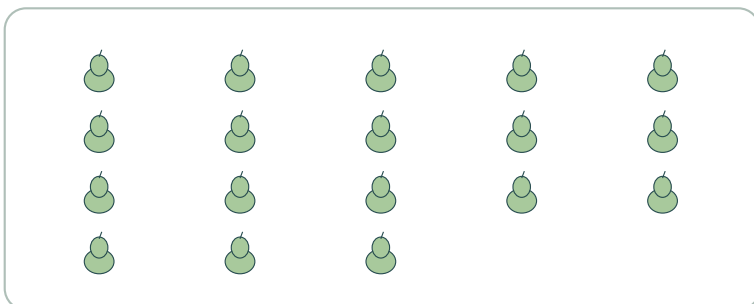
Tens:

Ones:



Tens:

Ones:



Tens:

Ones:

Use your fingers or real objects if helpful. Explain how you worked it out.

TRY WITH HELP

Number order

Fill in the missing numbers, or put the numbers in order.

0**?****2****?****4****1****?****3****?****5****2****?****4****?****6**

Use your fingers or real objects if helpful. Explain how you worked it out.

TRY WITH HELP

Number order

Fill in the missing numbers, or put the numbers in order.

2**?****4****?****6****3****?****5****?****7****4****?****6****?****8**

Use your fingers or real objects if helpful. Explain how you worked it out.

TRY WITH HELP

Number order

Fill in the missing numbers, or put the numbers in order.

4**?****6****?****8****5****?****7****?****9****6****?****8****?****10**

Use your fingers or real objects if helpful. Explain how you worked it out.

TRY WITH HELP

Number order

Fill in the missing numbers, or put the numbers in order.

Order from smallest to largest:

6 8 9 7 10

Order from smallest to largest:

7 10 9 8 11

Order from smallest to largest:

11 8 12 10 9

Use your fingers or real objects if helpful. Explain how you worked it out.

TRY WITH HELP

Number order

Fill in the missing numbers, or put the numbers in order.

Order from smallest to largest:

9 8 11 12 10

Order from smallest to largest:

12 13 9 11 10

Order from smallest to largest:

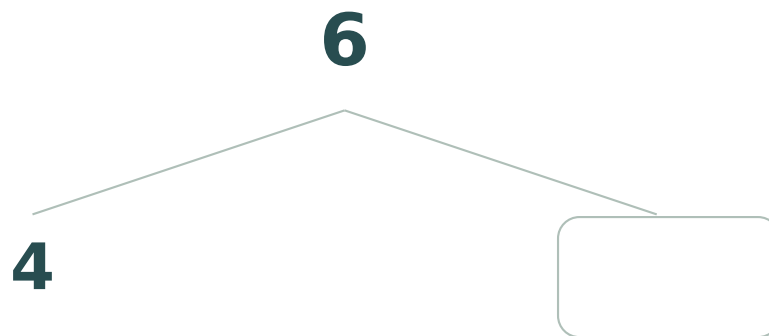
10 11 14 13 12

Use your fingers or real objects if helpful. Explain how you worked it out.

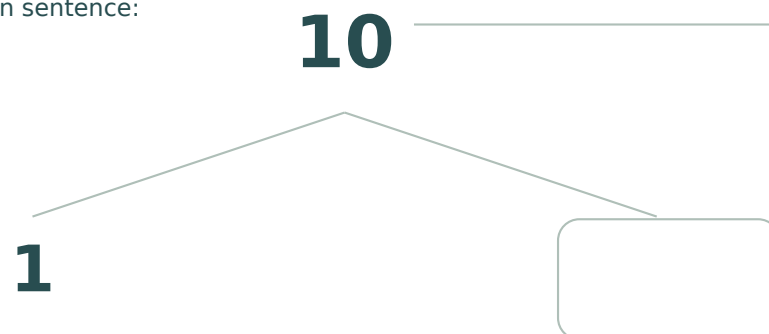
TRY WITH HELP

Parts and wholes

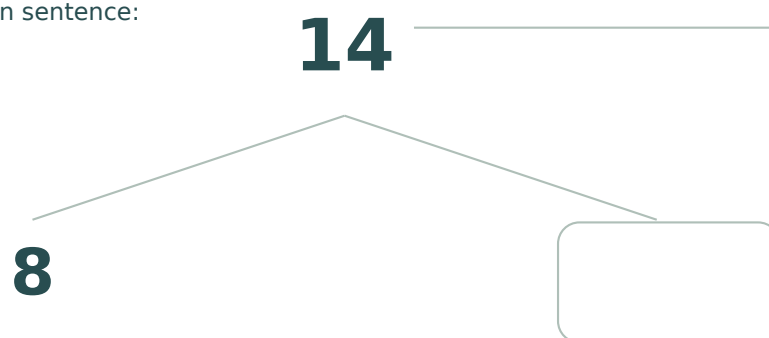
The top number is the whole. Find the missing part.



Write a matching addition sentence:



Write a matching addition sentence:



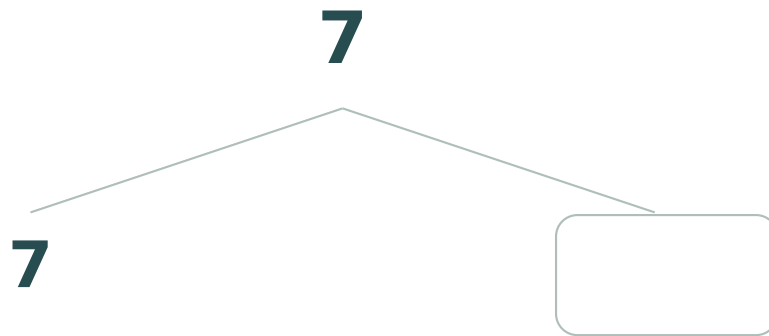
Write a matching addition sentence:

Use your fingers or real objects if helpful. Explain how you worked it out.

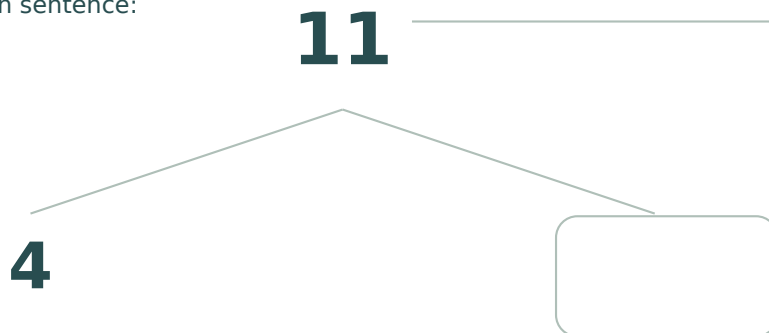
TRY WITH HELP

Parts and wholes

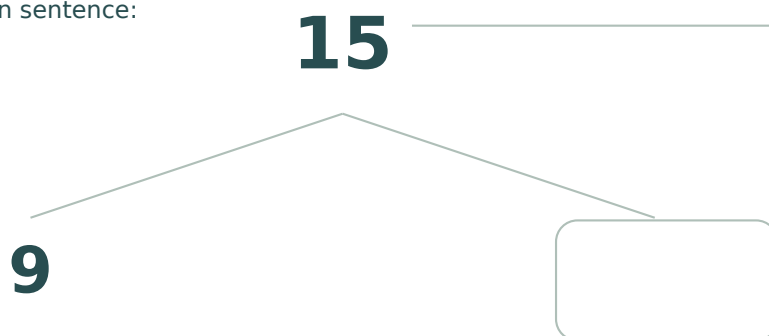
The top number is the whole. Find the missing part.



Write a matching addition sentence:



Write a matching addition sentence:



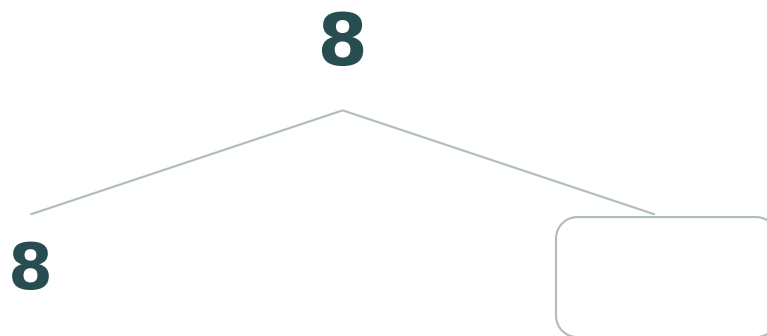
Write a matching addition sentence:

Use your fingers or real objects if helpful. Explain how you worked it out.

TRY WITH HELP

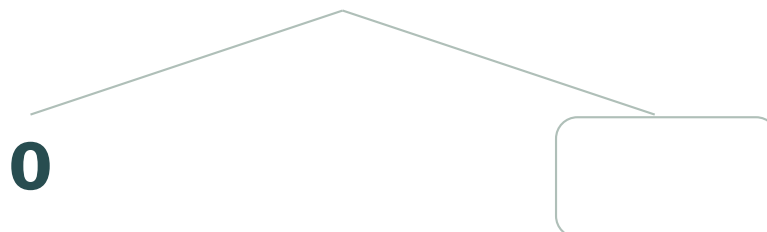
Parts and wholes

The top number is the whole. Find the missing part.



Write a matching addition sentence:

12



Write a matching addition sentence:

16



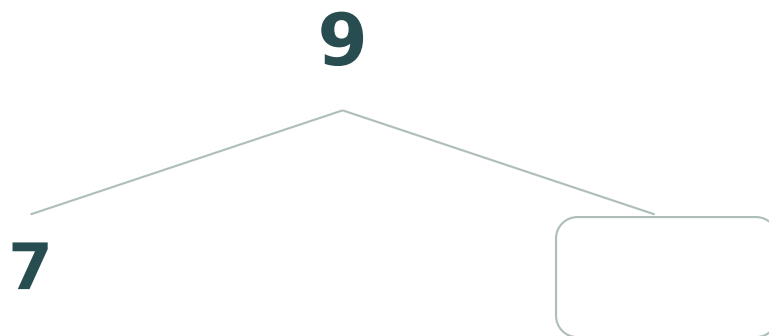
Write a matching addition sentence:

Use your fingers or real objects if helpful. Explain how you worked it out.

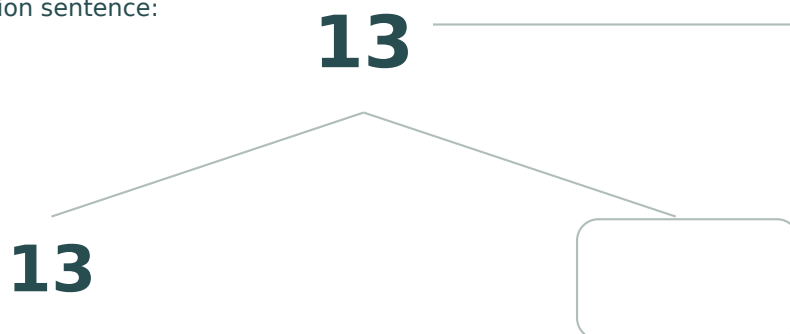
TRY WITH HELP

Parts and wholes

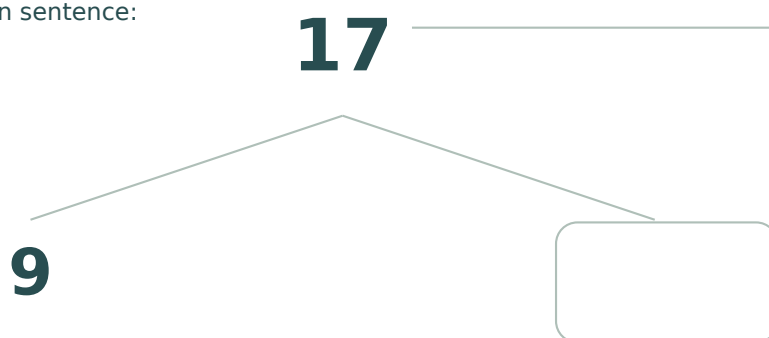
The top number is the whole. Find the missing part.



Write a matching addition sentence:



Write a matching addition sentence:



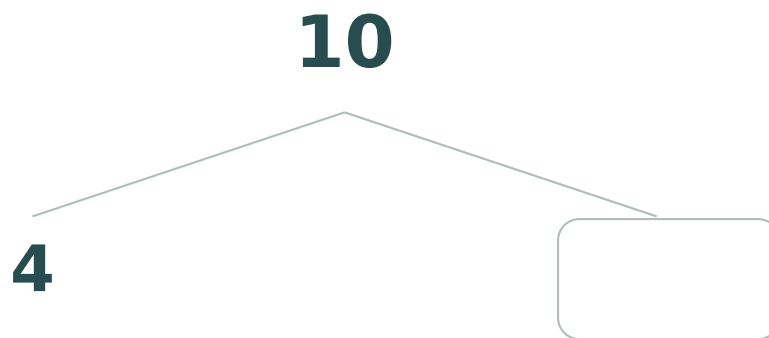
Write a matching addition sentence:

Use your fingers or real objects if helpful. Explain how you worked it out.

TRY WITH HELP

Parts and wholes

The top number is the whole. Find the missing part.



Write a matching addition sentence:



Write a matching addition sentence:



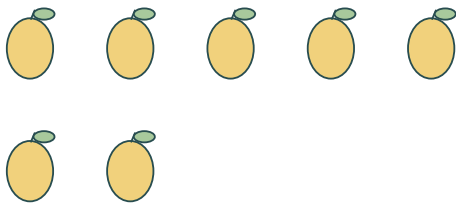
Write a matching addition sentence:

Use your fingers or real objects if helpful. Explain how you worked it out.

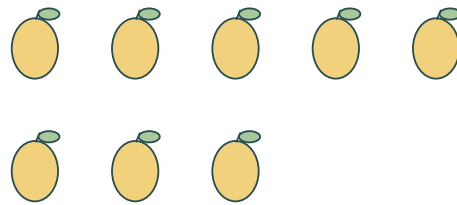
TRY INDEPENDENTLY

Add within twenty

Combine the two groups. Write the total.



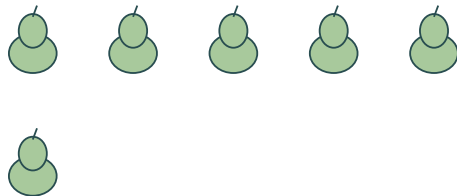
+



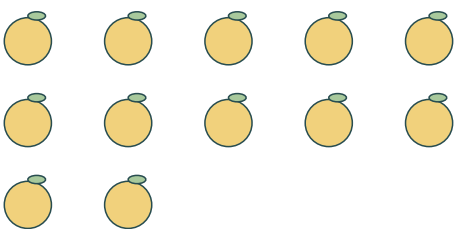
$$7 + 8 =$$



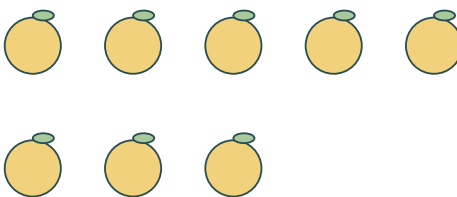
+



$$3 + 6 =$$



+



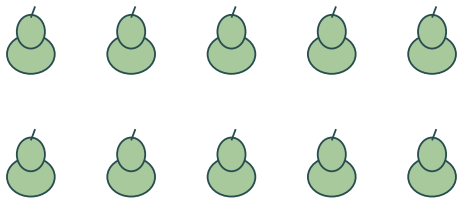
$$12 + 8 =$$

Use your fingers or real objects if helpful. Explain how you worked it out.

TRY INDEPENDENTLY

Add within twenty

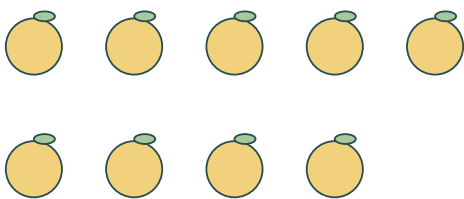
Combine the two groups. Write the total.



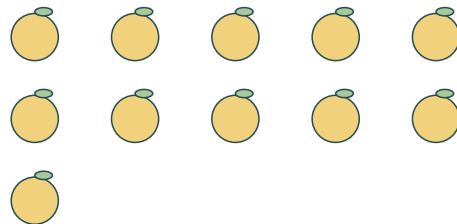
+

empty

$10 + 0 =$



+



$9 + 11 =$



+



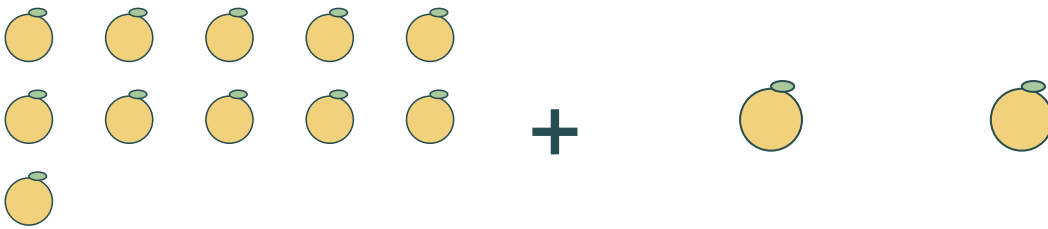
$13 + 6 =$

Use your fingers or real objects if helpful. Explain how you worked it out.

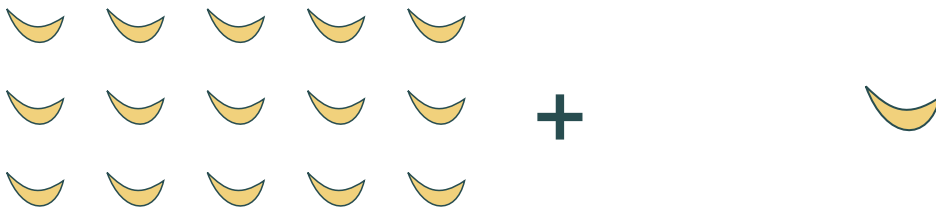
TRY INDEPENDENTLY

Add within twenty

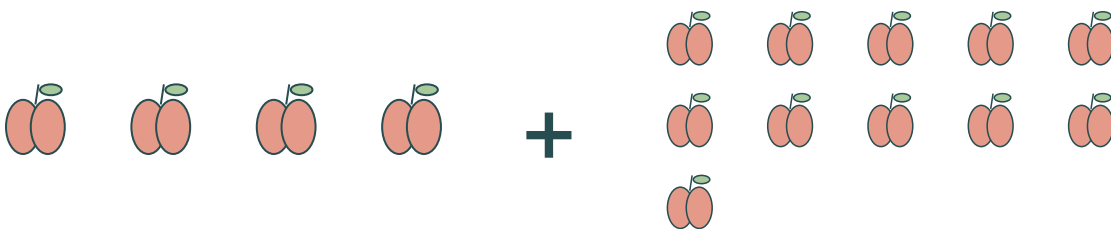
Combine the two groups. Write the total.



$11 + 2 =$



$15 + 1 =$



$4 + 11 =$

Use your fingers or real objects if helpful. Explain how you worked it out.

TRY INDEPENDENTLY

Add within twenty

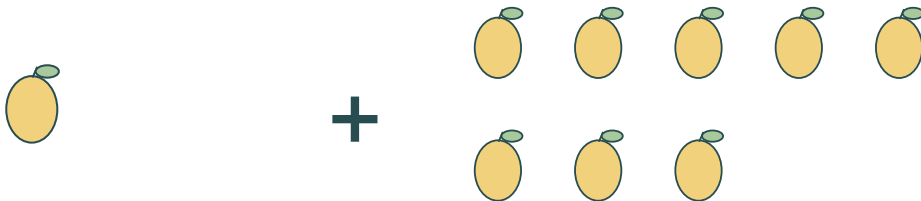
Combine the two groups. Write the total.



$5 + 4 =$



$6 + 8 =$



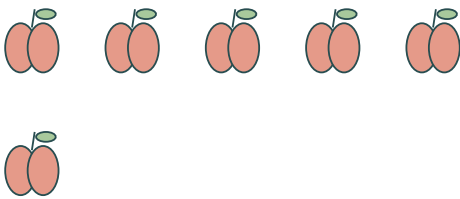
$1 + 8 =$

Use your fingers or real objects if helpful. Explain how you worked it out.

TRY INDEPENDENTLY

Add within twenty

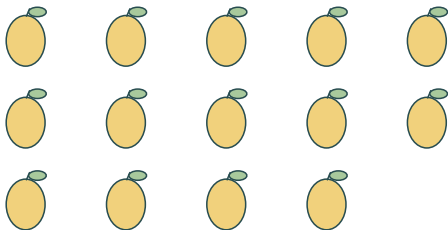
Combine the two groups. Write the total.



+



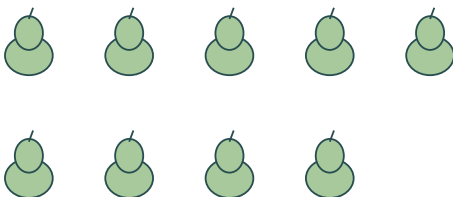
$6 + 4 =$



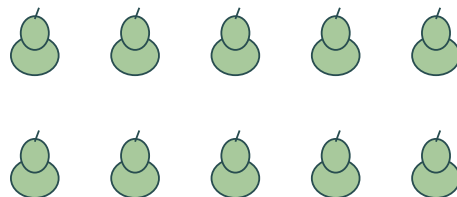
+



$14 + 2 =$



+



$9 + 10 =$

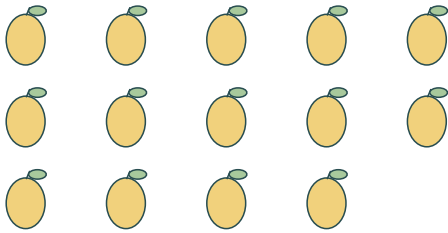
Use your fingers or real objects if helpful. Explain how you worked it out.

TRY INDEPENDENTLY

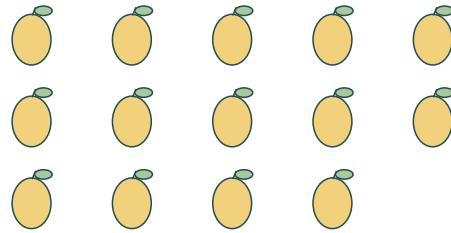
Subtract within twenty

Look at the starting group and the objects taken away. Write how many remain.

Start



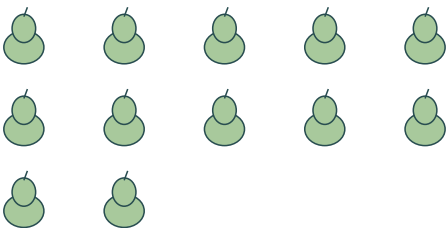
Taken away



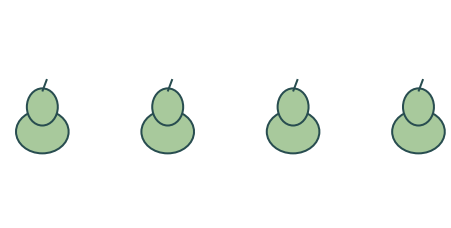
—

$$14 - 14 =$$

Start



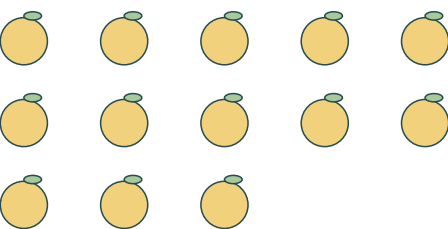
Taken away



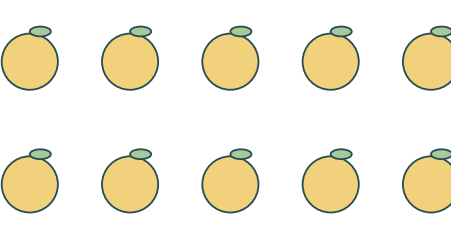
—

$$12 - 4 =$$

Start



Taken away



—

$$13 - 10 =$$

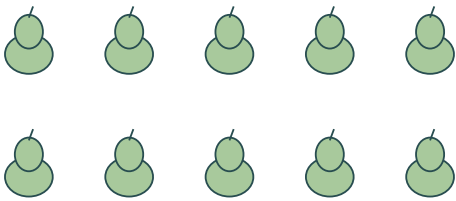
Use your fingers or real objects if helpful. Explain how you worked it out.

TRY INDEPENDENTLY

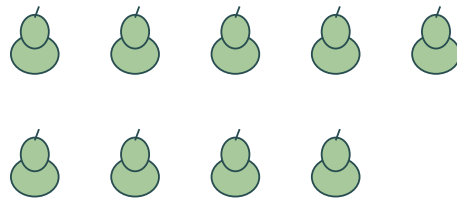
Subtract within twenty

Look at the starting group and the objects taken away. Write how many remain.

Start

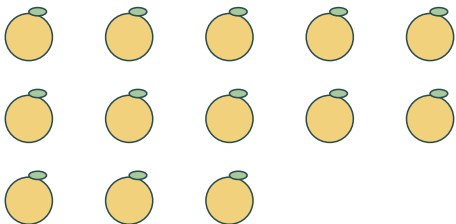


Taken away



$$10 - 9 =$$

Start



Taken away



$$13 - 4 =$$

Start



Taken away



$$9 - 3 =$$

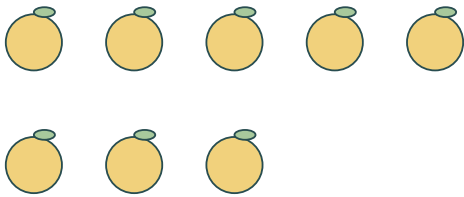
Use your fingers or real objects if helpful. Explain how you worked it out.

TRY INDEPENDENTLY

Subtract within twenty

Look at the starting group and the objects taken away. Write how many remain.

Start



Taken away



$$8 - 4 =$$

Start

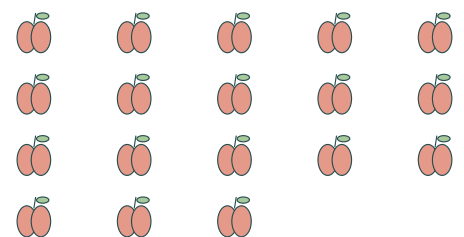


Taken away

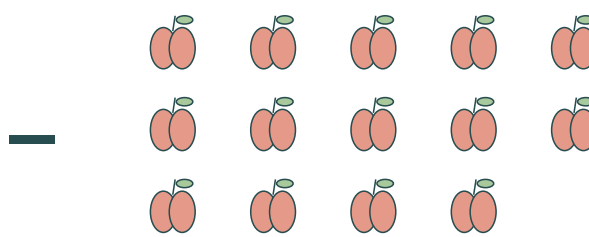
empty

$$15 - 0 =$$

Start



Taken away



$$18 - 14 =$$

Use your fingers or real objects if helpful. Explain how you worked it out.

TRY INDEPENDENTLY

Subtract within twenty

Look at the starting group and the objects taken away. Write how many remain.

Start



Taken away



—

$$13 - 12 =$$

Start



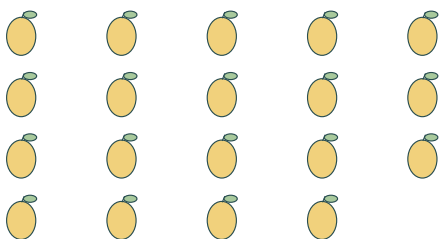
—

Taken away

empty

$$5 - 0 =$$

Start



Taken away

—



$$19 - 1 =$$

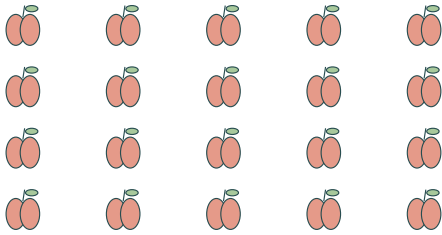
Use your fingers or real objects if helpful. Explain how you worked it out.

TRY INDEPENDENTLY

Subtract within twenty

Look at the starting group and the objects taken away. Write how many remain.

Start

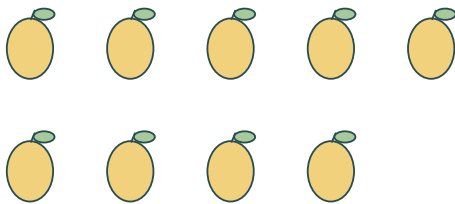


Taken away

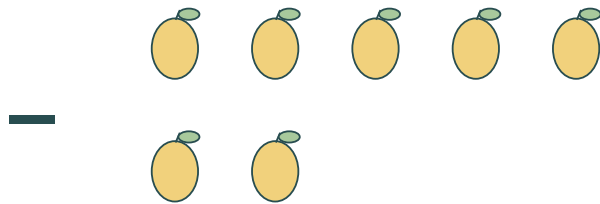


$$20 - 5 =$$

Start

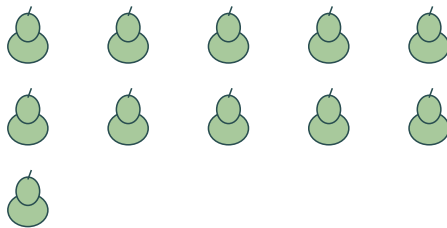


Taken away

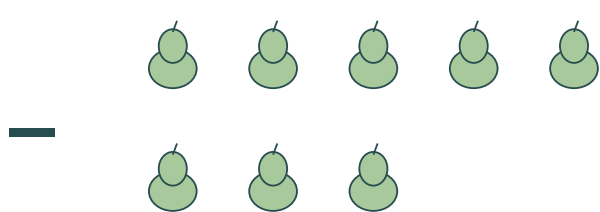


$$9 - 7 =$$

Start



Taken away



$$11 - 8 =$$

Use your fingers or real objects if helpful. Explain how you worked it out.

CHALLENGE

Number stories

Read the story. Choose addition or subtraction and work out the answer.

There are 5 mangoes. 8 more mangoes arrive. How many altogether?

Number sentence:

There are 11 pears. 7 are eaten. How many are left?

Number sentence:

There are 5 oranges. 8 more oranges arrive. How many altogether?

Number sentence:

Use your fingers or real objects if helpful. Explain how you worked it out.

CHALLENGE

Number stories

Read the story. Choose addition or subtraction and work out the answer.

There are 6 pears. 3 are eaten. How many are left?

Number sentence:

There are 10 oranges. 5 more oranges arrive. How many altogether?

Number sentence:

There are 8 bananas. 6 are eaten. How many are left?

Number sentence:

Use your fingers or real objects if helpful. Explain how you worked it out.

CHALLENGE

Number stories

Read the story. Choose addition or subtraction and work out the answer.

There are 8 oranges. 3 more oranges arrive. How many altogether?

Number sentence:

There are 9 bananas. 6 are eaten. How many are left?

Number sentence:

There are 4 apples. 3 more apples arrive. How many altogether?

Number sentence:

Use your fingers or real objects if helpful. Explain how you worked it out.

CHALLENGE

Number stories

Read the story. Choose addition or subtraction and work out the answer.

There are 11 bananas. 1 is eaten. How many are left?

Number sentence:

There are 11 apples. 5 more apples arrive. How many altogether?

Number sentence:

There are 10 mangoes. 8 are eaten. How many are left?

Number sentence:

Use your fingers or real objects if helpful. Explain how you worked it out.

CHALLENGE

Number stories

Read the story. Choose addition or subtraction and work out the answer.

There are 8 apples. 2 more apples arrive. How many altogether?

Number sentence:

There are 5 mangoes. 3 are eaten. How many are left?

Number sentence:

There are 8 pears. 10 more pears arrive. How many altogether?

Number sentence:

Use your fingers or real objects if helpful. Explain how you worked it out.

CHALLENGE

Check and explain

Check the example. If it is wrong, correct it and explain your thinking.

A friend wrote: $2 + 8 = 10$

Correct, or does it need fixing?

A friend wrote: $8 - 6 = 3$

Correct, or does it need fixing?

A friend wrote: $7 + 1 = 9$

Correct, or does it need fixing?

Use your fingers or real objects if helpful. Explain how you worked it out.

CHALLENGE

Check and explain

Check the example. If it is wrong, correct it and explain your thinking.

A friend wrote: $10 + 1 = 12$

Correct, or does it need fixing?

A friend wrote: $7 - 6 = 2$

Correct, or does it need fixing?

A friend wrote: $3 + 0 = 3$

Correct, or does it need fixing?

Use your fingers or real objects if helpful. Explain how you worked it out.

CHALLENGE

Check and explain

Check the example. If it is wrong, correct it and explain your thinking.

A friend wrote: $2 + 0 = 3$

Correct, or does it need fixing?

A friend wrote: $7 - 0 = 7$

Correct, or does it need fixing?

A friend wrote: $0 + 10 = 11$

Correct, or does it need fixing?

Use your fingers or real objects if helpful. Explain how you worked it out.

CHALLENGE

Check and explain

Check the example. If it is wrong, correct it and explain your thinking.

A friend wrote: $4 + 0 = 4$

Correct, or does it need fixing?

A friend wrote: $7 - 5 = 3$

Correct, or does it need fixing?

A friend wrote: $9 + 9 = 19$

Correct, or does it need fixing?

Use your fingers or real objects if helpful. Explain how you worked it out.

CHALLENGE

Check and explain

Check the example. If it is wrong, correct it and explain your thinking.

A friend wrote: $8 + 0 = 9$

Correct, or does it need fixing?

A friend wrote: $7 - 6 = 2$

Correct, or does it need fixing?

A friend wrote: $1 + 4 = 5$

Correct, or does it need fixing?

Use your fingers or real objects if helpful. Explain how you worked it out.

Answers and grown-up notes

Activity 01

Row 1: 1. | Row 2: 2. | Row 3: 3.

Activity 02

Row 1: 3. | Row 2: 4. | Row 3: 5.

Activity 03

Row 1: 5. | Row 2: 6. | Row 3: 7.

Activity 04

Row 1: 7. | Row 2: 8. | Row 3: 9.

Activity 05

Row 1: 9. | Row 2: 10. | Row 3: 1.

Activity 06

Row 1: 1 tens, 0 ones. | Row 2: 1 tens, 2 ones. | Row 3: 1 tens, 4 ones.

Activity 07

Row 1: 1 tens, 1 ones. | Row 2: 1 tens, 3 ones. | Row 3: 1 tens, 5 ones.

Activity 08

Row 1: 1 tens, 2 ones. | Row 2: 1 tens, 4 ones. | Row 3: 1 tens, 6 ones.

For open answers, accept other ways that meet the instructions. Listen to your child.

Answers and grown-up notes

Activity 09

Row 1: 1 tens, 3 ones. | Row 2: 1 tens, 5 ones. | Row 3: 1 tens, 7 ones.

Activity 10

Row 1: 1 tens, 4 ones. | Row 2: 1 tens, 6 ones. | Row 3: 1 tens, 8 ones.

Activity 11

Row 1: 0 - 1 - 2 - 3 - 4. | Row 2: 1 - 2 - 3 - 4 - 5. | Row 3: 2 - 3 - 4 - 5 - 6.

Activity 12

Row 1: 2 - 3 - 4 - 5 - 6. | Row 2: 3 - 4 - 5 - 6 - 7. | Row 3: 4 - 5 - 6 - 7 - 8.

Activity 13

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

Activity 14

Row 1: 6 - 7 - 8 - 9 - 10. | Row 2: 7 - 8 - 9 - 10 - 11. | Row 3: 8 - 9 - 10 - 11 - 12.

Activity 15

Row 1: 8 - 9 - 10 - 11 - 12. | Row 2: 9 - 10 - 11 - 12 - 13. | Row 3: 10 - 11 - 12 - 13 - 14.

Activity 16

Row 1: $4 + 2 = 6$. | Row 2: $1 + 9 = 10$. | Row 3: $8 + 6 = 14$.

For open answers, accept other ways that meet the instructions. Listen to your child.

Answers and grown-up notes

Activity 17

Row 1: $7 + 0 = 7$. | Row 2: $4 + 7 = 11$. | Row 3: $9 + 6 = 15$.

Activity 18

Row 1: $8 + 0 = 8$. | Row 2: $0 + 12 = 12$. | Row 3: $9 + 7 = 16$.

Activity 19

Row 1: $7 + 2 = 9$. | Row 2: $13 + 0 = 13$. | Row 3: $9 + 8 = 17$.

Activity 20

Row 1: $4 + 6 = 10$. | Row 2: $8 + 6 = 14$. | Row 3: $8 + 10 = 18$.

Activity 21

Row 1: 15. | Row 2: 9. | Row 3: 20.

Activity 22

Row 1: 10. | Row 2: 20. | Row 3: 19.

Activity 23

Row 1: 13. | Row 2: 16. | Row 3: 15.

Activity 24

Row 1: 9. | Row 2: 14. | Row 3: 9.

For open answers, accept other ways that meet the instructions. Listen to your child.

Answers and grown-up notes

Activity 25

Row 1: 10. | Row 2: 16. | Row 3: 19.

Activity 26

Row 1: 0. | Row 2: 8. | Row 3: 3.

Activity 27

Row 1: 1. | Row 2: 9. | Row 3: 6.

Activity 28

Row 1: 4. | Row 2: 15. | Row 3: 4.

Activity 29

Row 1: 1. | Row 2: 5. | Row 3: 18.

Activity 30

Row 1: 15. | Row 2: 2. | Row 3: 3.

Activity 31

Row 1: $5 + 8 = 13$. | Row 2: $11 - 7 = 4$. | Row 3: $5 + 8 = 13$.

Activity 32

Row 1: $6 - 3 = 3$. | Row 2: $10 + 5 = 15$. | Row 3: $8 - 6 = 2$.

For open answers, accept other ways that meet the instructions. Listen to your child.

Answers and grown-up notes

Activity 33

Row 1: $8 + 3 = 11$. | Row 2: $9 - 6 = 3$. | Row 3: $4 + 3 = 7$.

Activity 34

Row 1: $11 - 1 = 10$. | Row 2: $11 + 5 = 16$. | Row 3: $10 - 8 = 2$.

Activity 35

Row 1: $8 + 2 = 10$. | Row 2: $5 - 3 = 2$. | Row 3: $8 + 10 = 18$.

Activity 36

Row 1: Correct. $2 + 8 = 10$. | Row 2: Correction: $8 - 6 = 2$. | Row 3: Correction: $7 + 1 = 8$.

Activity 37

Row 1: Correction: $10 + 1 = 11$. | Row 2: Correction: $7 - 6 = 1$. | Row 3: Correct. $3 + 0 = 3$.

Activity 38

Row 1: Correction: $2 + 0 = 2$. | Row 2: Correct. $7 - 0 = 7$. | Row 3: Correction: $0 + 10 = 10$.

Activity 39

Row 1: Correct. $4 + 0 = 4$. | Row 2: Correction: $7 - 5 = 2$. | Row 3: Correction: $9 + 9 = 18$.

Activity 40

Row 1: Correction: $8 + 0 = 8$. | Row 2: Correction: $7 - 6 = 1$. | Row 3: Correct. $1 + 4 = 5$.

For open answers, accept other ways that meet the instructions. Listen to your child.