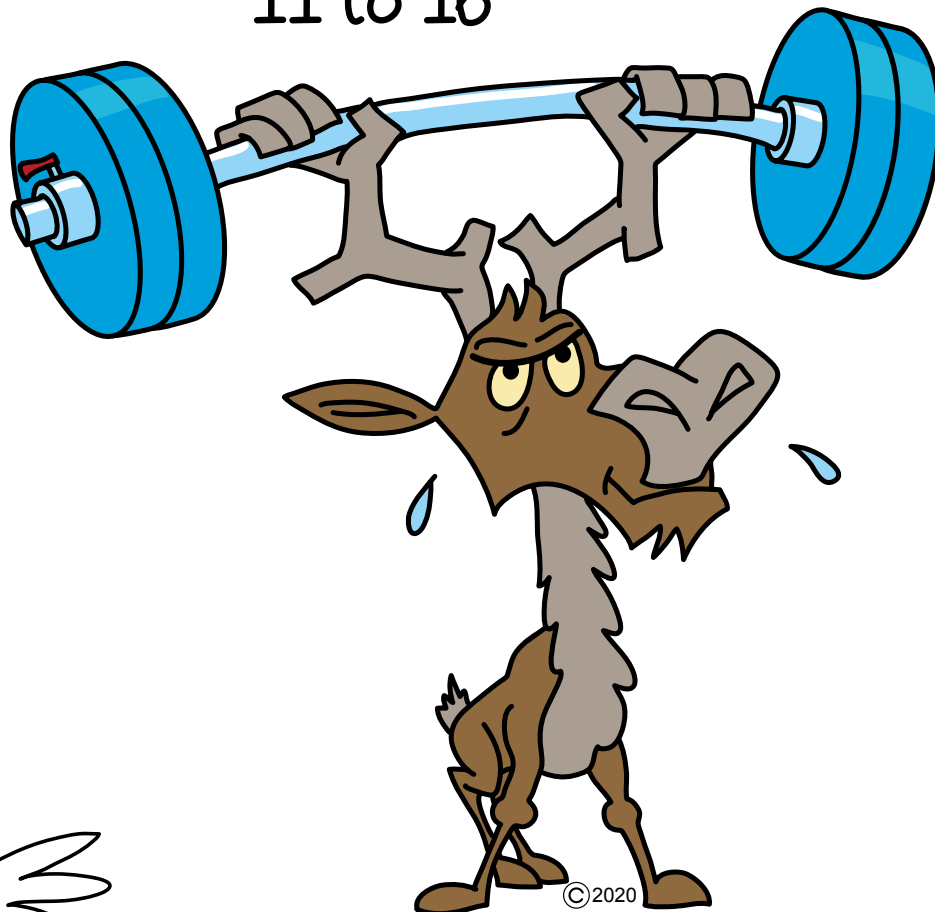




Colin and Coco's Deliberate Practice

Year 1 Unit 7

Addition and Subtraction Facts
11 to 16





Contents

This pack of deliberate practice is designed to be used flexibly to secure the manageable steps of this unit.

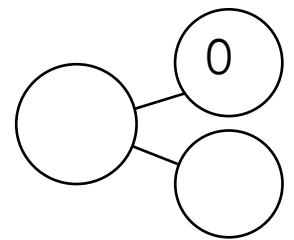
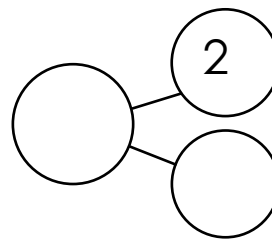
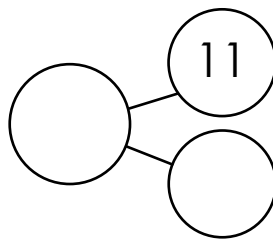
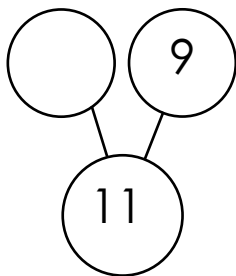
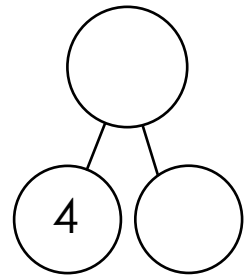
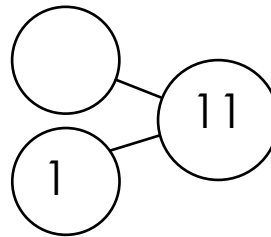
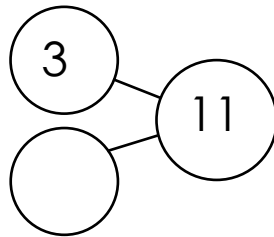
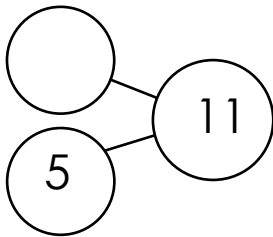
The table below indicates which activities are linked to which manageable steps.

	Do It	Challenge It	Play It
Partition 11	1		
Find and represent all addition number facts of 11			1
Find and represent all subtraction number facts of 11		1	
Partition 12		2	
Find and represent all addition number facts of 12	2		
Find and represent all subtraction number facts of 12			2
Partition 13			3
Find and represent all addition number facts of 13	3		
Find and represent all subtraction number facts of 13		3	
Partition 14	4		
Find and represent all addition number facts of 14			4
Find and represent all subtraction number facts of 14		4	
Partition 15		5	
Find and represent all addition number facts of 15	5		
Find and represent all subtraction number facts of 15			5
Partition 16			6
Find and represent all addition number facts of 16	6		
Find and represent all subtraction number facts of 16		6	



Do It 1

Complete the part-part-whole diagrams. The whole is 11 every time.



Challenge It 1

Match the calculation to the answer.
Find the missing buddies.

$11 - 5$	1
$11 - 3$	7
$11 - 10$	6
	9
$11 - 8$	8
$11 - 2$	5
$11 - 6$	
$11 - 7$	2
$11 - 1$	4
$11 - 9$	10



Make 11 Game

Play It 1

You need:

0 - 9 dice

To play:

Players take it in turns to roll the dice and say how many more are needed to get a total of 11

Write the calculation down.

Tally the answer in your tally chart.

Player 1: I have rolled a 4 so I need to add 7 to make 11
I tally 7 because $4 + 7 = 11$

To win:

The winner is the first player to tally the same answer three times.

Answer	Tally
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	



Do It 2

Calculate:

$5 + 7 = \square$

$9 + 3 = \square$

$5 + 5 = \square$

$8 + 4 = \square$

$6 + 6 = \square$

$4 + 7 = \square$

$6 + 5 = \square$

$3 + 9 = \square$

$7 + 5 = \square$

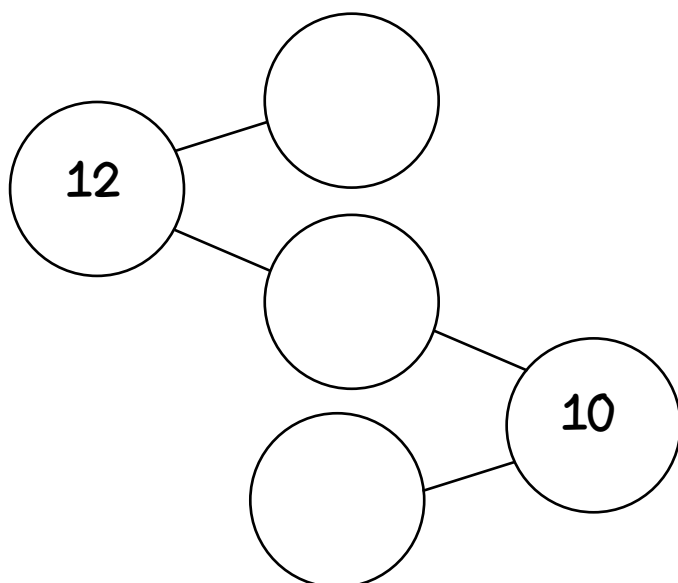
$4 + 8 = \square$

$10 + 2 = \square$

$8 + 3 = \square$

Challenge It 2

Complete the diagram in several different ways.



$12 = \square + \square$

$10 = \square + \square$



Subtract from 12 Game

Play It 2

You need:

Counters or colours for each player

Number Facts 12 Board (on the next page.)

To play:

Every time it is your turn choose a number on the board to subtract from 12 and cover (or colour) it. Find the answer on the board and cover, (or colour) that too, so each turn you cover two numbers on the board.

Say your number fact aloud.

The two numbers you cover do not need to be next to each other on the board.

For example:

Player 1: I will subtract 8 from 12 so will cover an 8 and a 4 on the board because $12 \text{ subtract } 8 \text{ equals } 4$.

To win:

The winner is the first player to cover 5 numbers in a line, horizontally, vertically or diagonally.



Number Facts 12 Board

1	3	8	7	9	3	11	6	7	5
9	10	1	2	5	4	2	9	10	6
4	6	5	3	11	6	8	4	7	0
11	6	0	5	1	3	8	7	9	3
2	9	10	6	9	10	1	2	5	4
8	4	7	8	4	6	12	3	11	6
9	3	11	6	7	5	1	10	8	7
5	12	2	9	10	6	9	3	1	2
11	6	8	4	7	8	4	6	5	3
7	4	5	9	8	3	7	8	4	5



Colour totals of 13 blue. Colour totals of 12 red.

Do It 3

$$5 + 8$$

$$4 + 9$$

$$11 + 2$$

$$7 + 5$$

$$8 + 5$$

$$9 + 4$$

$$7 + 6$$

$$10 + 3$$

$$8 + 4$$

$$6 + 7$$

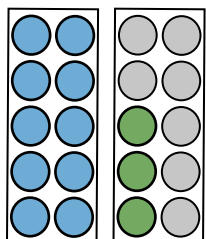
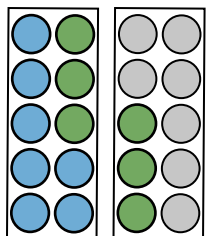
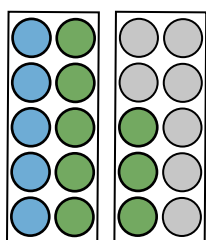
$$3 + 9$$

$$3 + 10$$

$$6 + 6$$

Challenge It 3

Match the calculation to the picture.
Answer the calculations. Find the missing calculation.



$$13 - 8 =$$

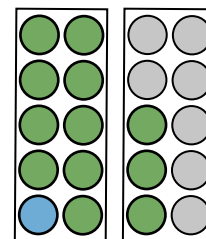
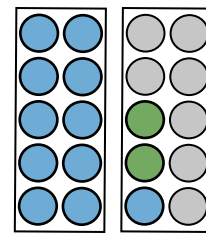
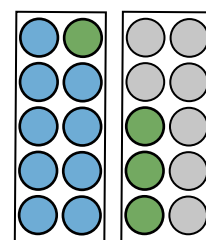
$$13 - 2 =$$

$$- =$$

$$13 - 6 =$$

$$13 - 4 =$$

$$13 - 12 =$$





Partition 13 Game

Play It 3

You need:

Counters or colours for each player

Number Facts 13 Board (on the next page.)

To play:

Every time it is your turn partition 13 into two parts and you cover, (or colour), the two numbers on the board.

Say your number fact aloud.

The two numbers you cover do not need to be next to each other on the board.

For example:

Player 1: I will partition 13 into 5 and 8 so will cover a 5 and an 8 on the board.

To win:

The winner is the first player to cover 5 numbers in a line, horizontally, vertically or diagonally.



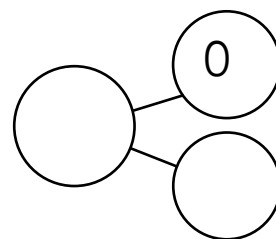
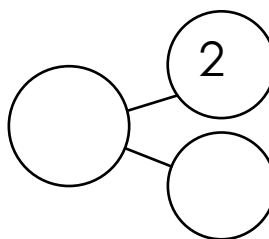
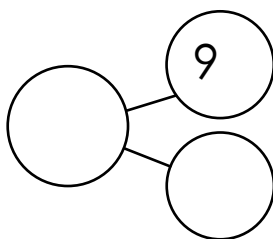
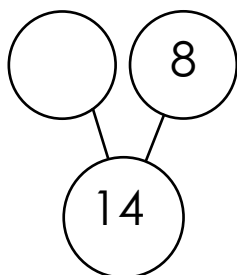
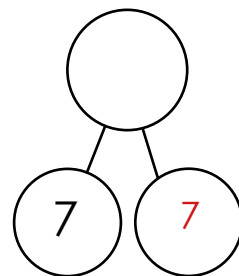
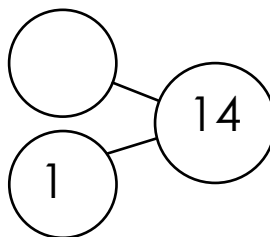
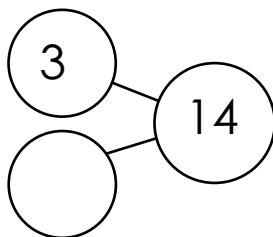
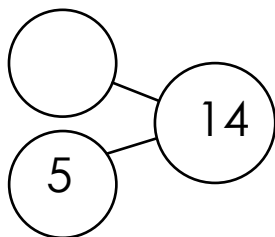
Number Facts 13 Board

6	7	5	2	5	12	7	8	3	11
11	3	1	6	8	4	2	13	6	7
9	0	11	10	2	7	5	9	10	4
7	8	3	7	6	11	5	2	5	12
2	13	6	8	11	3	1	6	8	4
5	9	10	4	9	0	11	10	2	7
6	11	5	2	7	8	9	6	4	8
5	12	7	8	3	11	6	7	5	2
8	4	2	13	6	8	11	3	1	6
2	7	5	9	10	4	9	0	11	10



Do It 4

Complete the part-part-whole diagrams. The whole is 14 every time.



Challenge It 4

Match the calculation to the answer.
Find the missing buddies.

$14 - 5$	4
$14 - 3$	10
$14 - 10$	9
	12
$14 - 8$	11
$14 - 2$	8
$14 - 6$	
$14 - 7$	5
$14 - 1$	7
$14 - 9$	13



Make 14 Game

Play It 4

You need:

Two 1 - 6 dice

To play:

Players take it in turns to roll the two dice and add them together.

They now say how many more are needed to get a total of 14

Write the calculation down.

Tally the answer in your tally chart.

Player 1: I have rolled a 4 and 2 so there is a total of 6

I need to add 8 to 6 to make 14

I tally 8 because $6 + 8 = 14$

To win:

The winner is the first player to tally the same answer three times.

Answer	Tally
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	



Calculate:

Do It 5

$6 + 9 = \square$

$11 + 4 = \square$

$8 + 7 = \square$

$6 + 8 = \square$

$9 + 6 = \square$

$7 + 8 = \square$

$10 + 5 = \square$

$3 + 12 = \square$

$7 + 7 = \square$

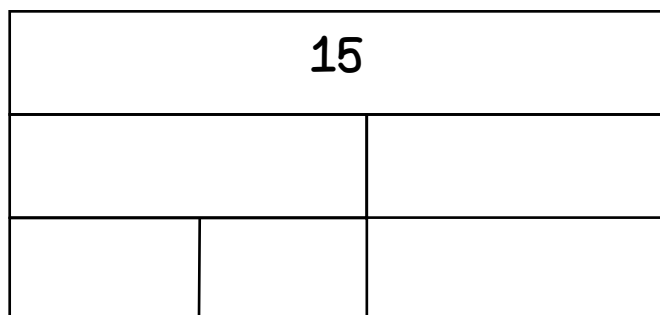
$2 + 13 = \square$

$8 + 6 = \square$

$9 + 5 = \square$

Challenge It 5

Complete the diagram in several different ways.
Write matching calculations each time.



$15 = \square + \square$

$\square = \square + \square$



Subtract from 15 Game

Play It 5

You need:

Counters or colours for each player

Number Facts 15 Board (on the next page.)

To play:

Every time it is your turn choose a number on the board to subtract from 15 and cover (or colour) it. Find the answer on the board and cover, (or colour) that too, so each turn you cover two numbers on the board.

Say your number fact aloud.

The two numbers you cover do not need to be next to each other on the board.

For example:

Player 1: I will subtract 8 from 15 so will cover an 8 and a 7 on the board because $15 \text{ subtract } 8 \text{ equals } 7$

To win:

The winner is the first player to cover 5 numbers in a line, horizontally, vertically or diagonally.



Number Facts 15 Board

3	11	4	8	9	1	8	10	13	5
14	6	5	12	7	10	15	6	8	9
2	7	0	6	4	9	7	5	11	10
8	10	13	5	8	1	9	3	11	4
15	6	8	9	12	7	10	14	6	5
7	5	11	10	6	4	9	2	7	0
9	12	8	4	7	6	3	14	5	1
1	8	10	13	5	8	10	9	3	11
10	15	6	8	9	12	5	7	14	6
9	7	5	11	10	6	0	4	2	7



Colour totals of 16 blue. Colour totals of 15 red.

Do It 6

$8 + 8$

$4 + 12$

$11 + 5$

$7 + 9$

$8 + 7$

$6 + 9$

$10 + 6$

$12 + 4$

$5 + 11$

$3 + 13$

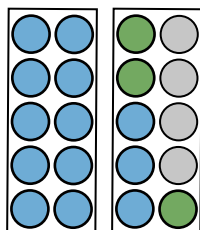
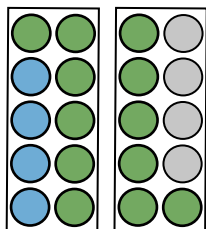
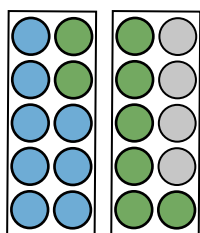
$7 + 8$

$2 + 14$

$9 + 6$

Challenge It 6

Match the calculation to the picture.
Answer the calculations. Find the missing calculation.



$16 - 8 =$

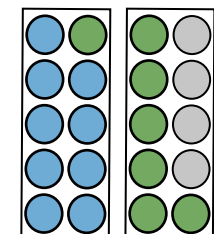
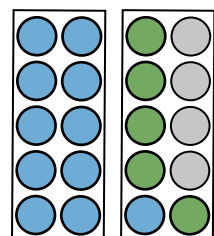
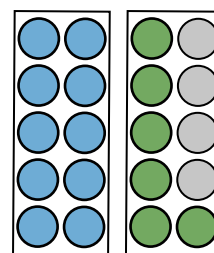
$16 - 5 =$

$- =$

$16 - 6 =$

$16 - 7 =$

$16 - 12 =$





Partition 16 Game

Play It 6

You need:

Counters or colours for each player

Number Facts 16 Board (on the next page.)

To play:

Every time it is your turn partition 16 into two parts and you cover, (or colour), the two numbers on the board.

Say your number fact aloud.

The two numbers you cover do not need to be next to each other on the board.

For example:

Player 1: I will partition 16 into 7 and 9 so will cover a 7 and a 9 on the board.

To win:

The winner is the first player to cover 5 numbers in a line, horizontally, vertically or diagonally.



Number Facts 16 Board

2	6	12	13	5	9	15	4	14	10
12	7	1	9	16	10	12	7	0	8
8	3	11	8	4	5	8	6	11	4
9	15	4	14	10	2	6	12	13	5
10	12	7	0	8	12	7	1	9	16
5	8	6	11	4	8	3	11	8	4
4	14	10	5	9	15	2	6	12	13
7	0	8	16	10	12	12	7	8	9
4	11	6	4	5	8	1	3	11	8
8	9	10	8	7	4	6	5	12	11