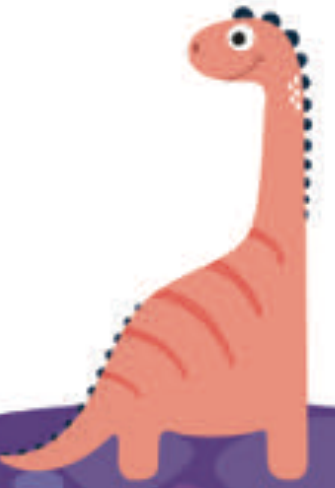
MY

Dinosaur Book of Bonds to 20

RECOMMENDED FOR USE IN FOUNDATION PHASE



NAME _____

SCHOOL _____

GRADE _____

WI-DBB20

Depicta

By learning, practising and understanding the number combinations, learners are able to build up and master basic number facts. This is imperative for their understanding of numeracy.

This book offers a systematic approach to mastering basic number facts and is arranged in such a way that learners may recognize number patterns.

This book follows "My Bug Book of Bonds 1 - 10".

There are number lines at the top of each page so that the learner can work out the answers- if necessary- by using the number lines.

Bonds to nine - revision.

/1

Join the leaves to the correct dinosaurs.

Bonds to ten - revision.

Fill in the answers.

3 + 3 = ☐	10 - 3 = ☐
4 + 4 = ☐	4 + 6 = ☐☐
2 - 2 = ☐	10 - 4 = ☐
10 - 3 = ☐	9 - 4 = ☐
3 + 6 = ☐	3 + 3 = ☐
10 - 5 = ☐	8 + 2 = ☐
4 + 3 = ☐	9 - 3 = ☐
5 + 5 = ☐	7 - 7 = ☐
9 - 2 = ☐	5 + 2 = ☐
4 + 5 = ☐	6 - 3 = ☐
7 - 3 = ☐	4 - 4 = ☐
0 + 8 = ☐	2 + 3 = ☐
1 + 7 = ☐	8 - 5 = ☐
6 + 2 = ☐	8 + 2 = ☐☐
10 - 0 = ☐☐	9 - 5 = ☐
6 - 5 = ☐	9 - 7 = ☐
10 - 7 = ☐	2 + 0 = ☐










Bonds of ten - revision.

MAKE 10

Fill in the missing numbers.

Bonds of eleven – plus and minus

4

1 + ☐☐ = 11	☐ + 3 = 11	11 - 2 = ☐
5 + ☐ = 11	☐ + 10 = 11	11 - 7 = ☐
3 + ☐ = 11	☐ + 8 = 11	11 - 5 = ☐
10 + ☐ = 11	☐ + 2 = 11	11 - 4 = ☐
4 + ☐ = 11	☐ + 5 = 11	11 - 11 = ☐
2 + ☐ = 11	☐ + 9 = 11	11 - 1 = ☐☐
8 + ☐ = 11	☐ + 1 = 11	11 - 3 = ☐
6 + ☐ = 11	☐ + 4 = 11	11 - 0 = ☐☐
0 + ☐☐ = 11	☐ + 0 = 11	11 - 6 = ☐
9 + ☐ = 11	☐ + 6 = 11	11 - 9 = ☐
7 + ☐ = 11	☐ + 11 = 11	11 - 10 = ☐
11 + ☐ = 11	☐ + 7 = 11	11 - 8 = ☐

Bonds to eleven - mixed.

8 + 3 = ___

2 + 9 = ___

11 - ___ = 8

11 - 6 = ___

___ - 9 = 2

7 + ___ = 11

2 + ___ = 11

11 - ___ = 5

11 - 0 = ___

11 - ___ = 7

___ + 9 = 11

___ + 4 = 11

5 + 6 = ___

10 + ___ = 11

7 + ___ = 11

11 - 0 = ___

5 - 3 = ___

10 - 9 = ___

2 + 5 = ___

___ + 1 = 9

___ + 3 = 10

4 + 4 = ___

9 - ___ = 5

6 - ___ = 3

___ + 4 = 8

___ + 2 = 7

10 - ___ = 6

10 - 3 = ___

5 + ___ = 8

2 + ___ = 4

___ + 3 = 6

10 + ___ = 10

Bonds of twelve - plus and minus.

0 + ☐☐ = 12	☐ + 4 = 12	12 - 6 = ☐
8 + ☐ = 12	☐ + 11 = 12	12 - 11 = ☐
11 + ☐ = 12	☐ + 7 = 12	12 - 5 = ☐
3 + ☐ = 12	☐ + 5 = 12	12 - 2 = ☐
7 + ☐ = 12	☐ + 2 = 12	12 - 7 = ☐
12 + ☐ = 12	☐ + 6 = 12	12 - 0 = ☐☐
5 + ☐ = 12	☐ + 8 = 12	12 - 10 = ☐
9 + ☐ = 12	☐ + 3 = 12	12 - 1 = ☐☐
1 + ☐☐ = 12	☐ + 2 = 12	12 - 4 = ☐
6 + ☐ = 12	☐ + 9 = 12	12 - 3 = ☐
4 + ☐ = 12	☐ + 10 = 12	12 - 9 = ☐
10 + ☐ = 12	☐ + 8 = 12	12 - 2 = ☐☐
2 + ☐☐ = 12	☐ + 12 = 12	12 - 8 = ☐

Bonds to twelve - mixed.

9 + ___ = 12

6 + ___ = 12

___ + 4 = 12

___ + 5 = 12

12 - 10 = ___

12 - 3 = ___

12 - ___ = 2

12 - ___ = 11

0 + ___ = 12

___ + 7 = 12

12 - 11 = ___

12 - ___ = 8

8 + ___ = 12

___ + 3 = 12

12 - 0 = ___

12 - ___ = 7

5 - 2 = ___

10 - 7 = ___

7 + 5 = ___

___ + 4 = 9

___ + 1 = 10

12 - 5 = ___

11 - ___ = 5

8 - ___ = 3

___ + 6 = 8

___ + 4 = 7

10 - ___ = 5

10 - 4 = ___

5 + ___ = 9

3 + ___ = 6

___ + 2 = 9

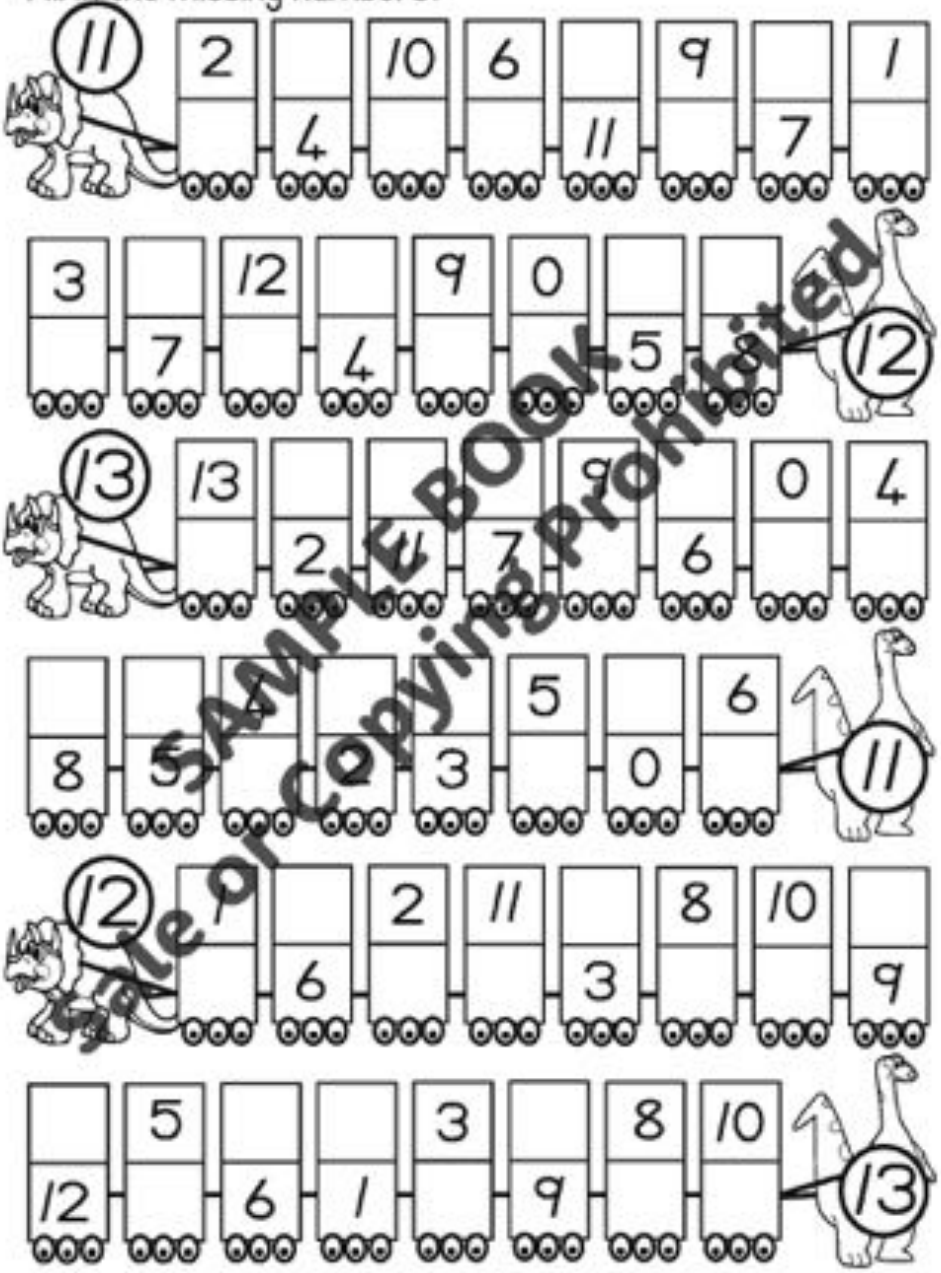
9 + ___ = 10

Bonds of thirteen - plus and minus.

1 + □□ = 13	□ + 13 = 13	13 - 5 = □
5 + □ = 13	□ + 10 = 13	13 - 7 = □
4 + □ = 13	□ + 8 = 13	13 - 2 = □□
10 + □ = 13	□ + 12 = 13	13 - 4 = □
3 + □□ = 13	□ + 5 = 13	13 - 11 = □
13 + □ = 13	□ + 9 = 13	13 - 1 = □□
8 + □ = 13	□□ + 1 = 13	13 - 12 = □
6 + □ = 13	□ + 4 = 13	13 - 3 = □□
0 + □□ = 13	□ + 0 = 13	13 - 6 = □
9 + □ = 13	□ + 6 = 13	13 - 9 = □
7 + □ = 13	□ + 11 = 13	13 - 13 = □
12 + □ = 13	□ + 7 = 13	13 - 8 = □
2 + □□ = 13	□□ + 3 = 13	13 - 0 = □□
11 + □ = 13	□□ + 2 = 13	13 - 10 = □

Bonds of 11, 12 and 13.

Fill in the missing numbers.



Bonds of fourteen – plus and minus.

10

2 + □□ = 14	□ + 13 = 14	14 - 5 = □
6 + □ = 14	□ + 10 = 14	14 - 7 = □
14 + □ = 14	□□ + 1 = 14	14 - 2 = □□
10 + □ = 14	□ + 11 = 14	14 - 14 = □
4 + □□ = 14	□ + 5 = 14	14 - 12 = □
11 + □ = 14	□ + 14 = 14	14 - 1 = □□
3 + □□ = 14	□ + 2 = 14	14 - 13 = □
13 + □ = 14	□ + 8 = 14	14 - 0 = □□
1 + □□ = 14	□ + 4 = 14	14 - 6 = □
9 + □ = 14	□ + 12 = 14	14 - 3 = □□
7 + □ = 14	□ + 9 = 14	14 - 11 = □
5 + □ = 14	□ + 7 = 14	14 - 8 = □
0 + □□ = 14	□□ + 3 = 14	14 - 4 = □□
12 + □ = 14	□□ + 0 = 14	14 - 9 = □
8 + □ = 14	□ + 6 = 14	14 - 10 = □

Bonds of 13 and 14 - mixed.

9 + ___ = 13

6 + ___ = 13

___ + 4 = 13

___ + 5 = 13

13 - 10 = ___

13 - 3 = ___

13 - ___ = 2

13 - ___ = 11

0 + ___ = 13

___ + 7 = 13

13 - 11 = ___

13 - ___ = 8

8 + ___ = 13

___ + 3 = 13

13 - 0 = ___

13 - ___ = 7

14 - 2 = ___

14 - 7 = ___

7 + 7 = ___

___ + 4 = 14

___ + 6 = 14

14 - 8 = ___

14 - ___ = 5

14 - ___ = 0

___ + 9 = 14

___ + 2 = 14

14 - ___ = 5

14 - 4 = ___

5 + ___ = 14

1 + ___ = 14

___ + 2 = 14

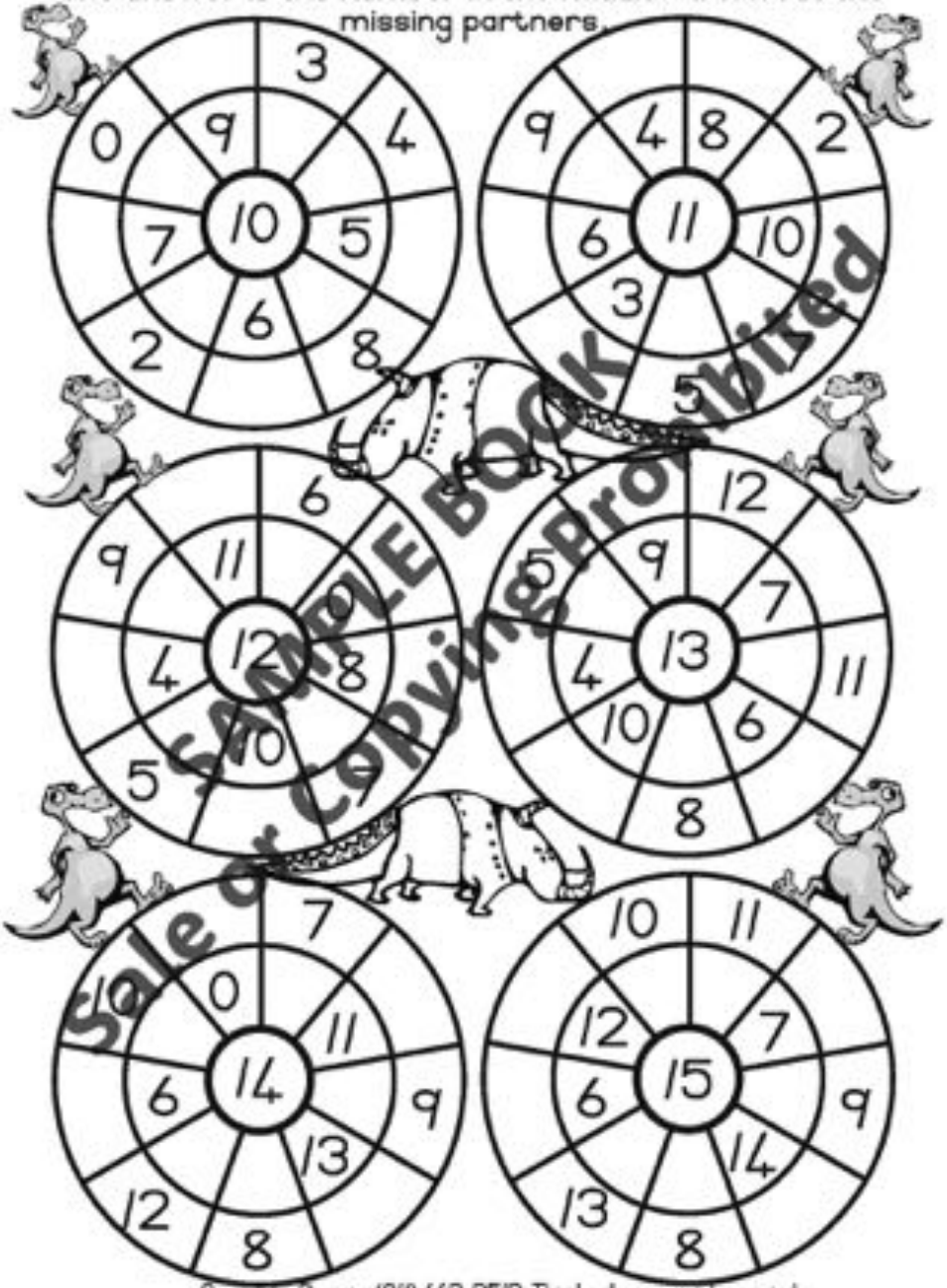
13 + ___ = 14

Bonds of fifteen - plus and minus.

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

Bonds from ten to fifteen.

The answer is the number in the middle. Work out the missing partners.



Bonds of sixteen - plus and minus.

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

Bonds of 14, 15 and 16.

These dinosaurs have red, yellow and blue eggs.
Colour the eggs blue that add up to 14.
Colour the eggs red that add up to 15.
Colour the eggs yellow that add up to 16

13 + 2

12 + 2

8 + 8

14 + 1

4 + 11

5 + 10

9 + 7

9 + 6

9 + 5

5 + 8

6 + 10

2 + 14

8 + 8

6 + 9

12 + 4

3 + 11

8 + 7

16 + 0

10 + 4

12 + 4

5 + 11

15 + 1

0 + 15

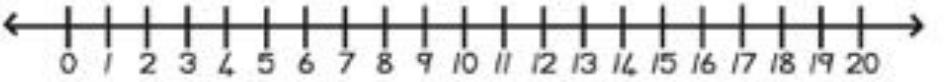
7 + 7

Bonds of seventeen - plus and minus

1 + □□ = 17	□ + 11 = 17	17 - 16 = □
14 + □ = 17	□ + 17 = 17	17 - 7 = □□
4 + □□ = 17	□□ + 0 = 17	17 - 1 = □
15 + □ = 17	□ + 16 = 17	17 - 14 = □
3 + □□ = 17	□ + 12 = 17	17 - 9 = □
17 + □ = 17	□ + 15 = 17	17 - 0 = □□
5 + □□ = 17	□ + 8 = 17	17 - 13 = □
10 + □ = 17	□ + 9 = 17	17 - 2 = □□
6 + □□ = 17	□ + 4 = 17	17 - 11 = □
16 + □ = 17	□ + 14 = 17	17 - 5 = □□
8 + □ = 17	□□ + 7 = 17	17 - 10 = □
13 + □ = 17	□ + 8 = 17	17 - 15 = □
7 + □□ = 17	□□ + 2 = 17	17 - 3 = □□
9 + □ = 17	□ + 13 = 17	17 - 12 = □
12 + □ = 17	□□ + 3 = 17	17 - 4 = □□
2 + □□ = 17	□□ + 5 = 17	17 - 8 = □

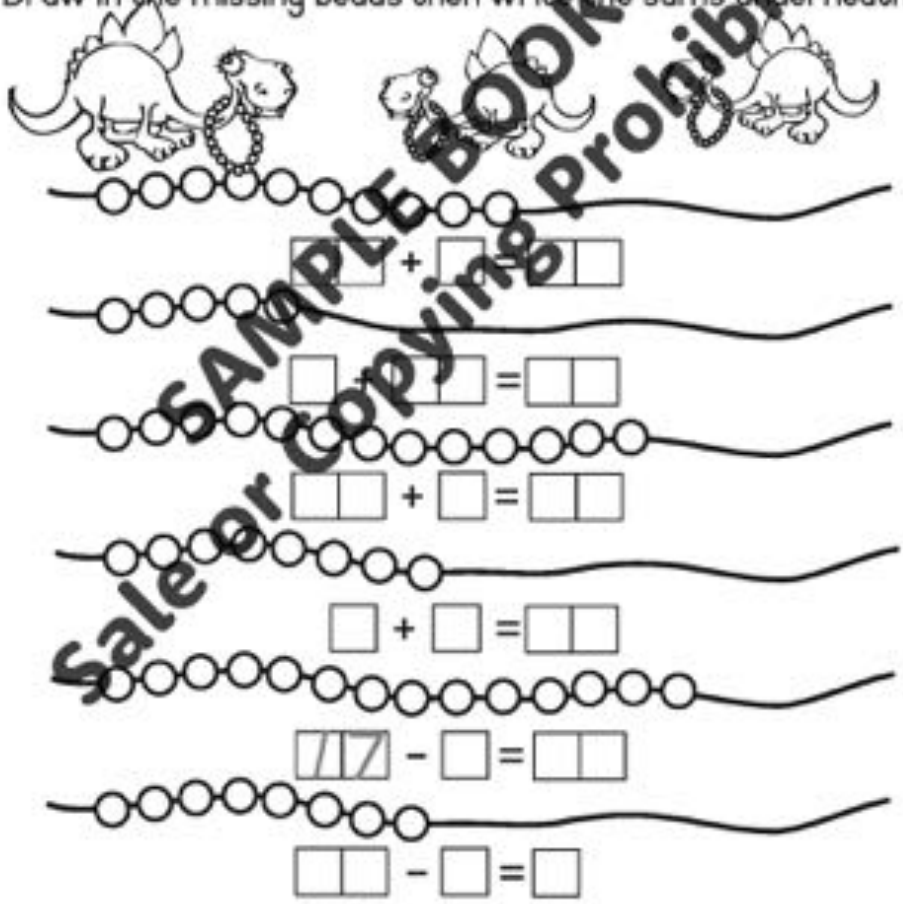
Bonds of seventeen – plus and minus

17



0 + □□ = 17	□□ + 1 = 17	17 – 17 = □
11 + □ = 17	□ + 10 = 17	17 – 6 = □□

The dinosaurs should have 17 beads on each piece of string.
Draw in the missing beads then write the sums underneath.



Bonds of 15, 16 and 17 - mixed.

9 + ___ = 15

6 + ___ = 15

___ + 4 = 15

___ + 5 = 15

15 - 10 = ___

15 - 3 = ___

15 - ___ = 2

15 - ___ = 11

1 + ___ = 15

___ + 7 = 15

16 - 11 = ___

16 - ___ = 8

9 + ___ = 16

___ + 3 = 16

16 - 0 = ___

16 - ___ = 7

16 - 2 = ___

16 - 5 = ___

8 + 8 = ___

___ + 4 = 8

___ + 9 = 16

17 - 8 = ___

17 - ___ = 5

17 - ___ = 0

___ + 9 = 17

___ + 2 = 17

17 - ___ = 5

17 - 7 = ___

8 + ___ = 17

2 + ___ = 17

___ + 3 = 17

13 + ___ = 17

Bonds of eighteen - plus and minus.

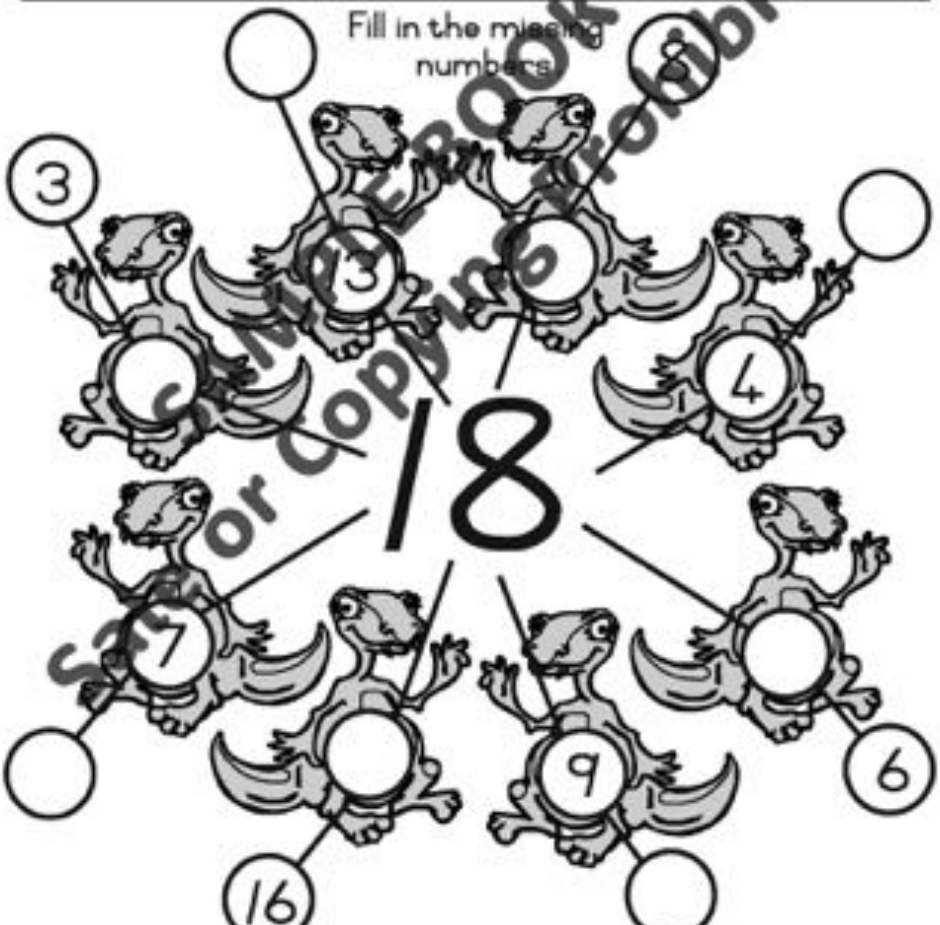
8 + □□ = 18	□ + 9 = 18	18 - 17 = □
14 + □ = 18	□ + 17 = 18	18 - 8 = □□
7 + □□ = 18	□□ + 4 = 18	18 - 6 = □□
15 + □ = 18	□ + 16 = 18	18 - 16 = □
1 + □□ = 18	□ + 12 = 18	18 - 18 = □
16 + □ = 18	□ + 14 = 18	18 - 5 = □□
3 + □□ = 18	□ + 3 = 18	18 - 14 = □
12 + □ = 18	□ + 18 = 18	18 - 7 = □□
5 + □□ = 18	□ + 0 = 18	18 - 12 = □
18 + □ = 18	□ + 13 = 18	18 - 4 = □□
9 + □ = 18	□□ + 8 = 18	18 - 15 = □
13 + □ = 18	□ + 11 = 18	18 - 13 = □
4 + □□ = 18	□□ + 2 = 18	18 - 2 = □□
10 + □ = 18	□ + 10 = 18	18 - 10 = □
11 + □ = 18	□□ + 6 = 18	18 - 1 = □□
0 + □□ = 18	□□ + 7 = 18	18 - 9 = □

Bonds of eighteen - plus and minus.

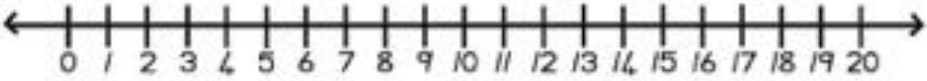
20

2 + ☐☐ = 18	☐☐ + 5 = 18	18 - 11 = ☐
17 + ☐ = 18	☐☐ + 1 = 18	18 - 0 = ☐☐
6 + ☐☐ = 18	☐ + 15 = 18	18 - 3 = ☐☐

Fill in the missing numbers



Bonds of nineteen – plus and minus.



0 + □□ = 19	□ + 13 = 19	19 - 14 = □
18 + □ = 19	□ + 11 = 19	19 - 16 = □
3 + □□ = 19	□□ + 0 = 19	19 - 12 = □
10 + □ = 19	□ + 19 = 19	19 - 13 = □
6 + □□ = 19	□ + 13 = 19	19 - 11 = □
16 + □ = 19	□□ + 3 = 19	19 - 3 = □□
4 + □□ = 19	□□ + 5 = 19	19 - 7 = □□
14 + □ = 19	□ + 14 = 19	19 - 1 = □□
2 + □□ = 19	□□ + 4 = 19	19 - 6 = □□
15 + □ = 19	□□ + 8 = 19	19 - 4 = □□
19 + □ = 19	□ + 18 = 19	19 - 10 = □
13 + □ = 19	□□ + 7 = 19	19 - 15 = □
5 + □□ = 19	□□ + 1 = 19	19 - 2 = □□
9 + □□ = 19	□□ + 2 = 19	19 - 9 = □□
17 + □ = 19	□□ + 9 = 19	19 - 5 = □□
1 + □□ = 19	□□ + 6 = 19	19 - 18 = □

Bonds of nineteen - plus and minus.

8 + ☐☐ = 19	☐ + 10 = 19	19 - 0 = ☐☐
12 + ☐ = 19	☐ + 16 = 19	19 - 19 = ☐
7 + ☐☐ = 19	☐ + 12 = 19	19 - 8 = ☐☐
11 + ☐ = 19	☐ + 17 = 19	19 - 17 = ☐

Join the numbers that equal 19.

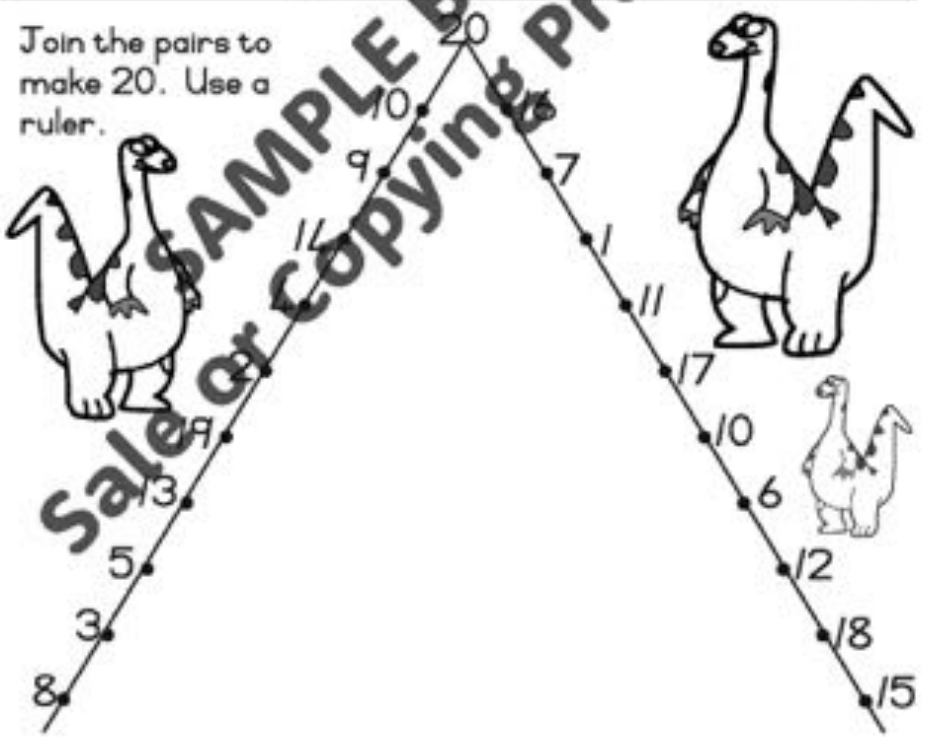
Bonds of twenty - plus and minus.

8 + □□ = 20	□□ + 9 = 20	20 - 17 = □
14 + □ = 20	□ + 17 = 20	20 - 8 = □□
7 + □□ = 20	□□ + 4 = 20	20 - 6 = □□
15 + □ = 20	□ + 16 = 20	20 - 16 = □
1 + □□ = 20	□ + 2 = 20	20 - 18 = □
16 + □ = 20	□ + 14 = 20	20 - 5 = □□
3 + □□ = 20	□ + 3 = 20	20 - 14 = □
12 + □ = 20	□ + 18 = 20	20 - 7 = □□
5 + □□ = 20	□ + 0 = 20	20 - 12 = □
18 + □ = 20	□ + 13 = 20	20 - 4 = □□
9 + □□ = 20	□□ + 8 = 20	20 - 15 = □
13 + □ = 20	□ + 11 = 20	20 - 13 = □
4 + □□ = 20	□□ + 2 = 20	20 - 2 = □□
10 + □□ = 20	□ + 10 = 20	20 - 10 = □□
11 + □ = 20	□□ + 6 = 20	20 - 1 = □□
0 + □□ = 20	□□ + 7 = 20	20 - 9 = □□

Bonds of twenty - plus and minus.

2 + ☐☐ = 20	☐ + 19 = 20	20 - 20 = ☐
17 + ☐ = 20	☐ + 15 = 20	20 - 0 = ☐☐
6 + ☐☐ = 20	☐☐ + 5 = 20	20 - 3 = ☐☐
20 + ☐ = 20	☐☐ + 1 = 20	20 - 19 = ☐
19 + ☐ = 20	☐ + 20 = 20	20 - 11 = ☐

Join the pairs to make 20. Use a ruler.



Bonds of 18, 19 and 20 - mixed.

9 + ___ = 18

6 + ___ = 18

___ + 4 = 18

___ + 5 = 18

18 - 10 = ___

18 - 3 = ___

18 - ___ = 2

18- ___ = 11

1 + ___ = 18

___ + 7 = 18

19 - 11 = ___

19 - ___ = 8

9 + ___ = 19

___ + 3 = 19

19 - 0 = ___

19 - ___ = 7

19 - 2 = ___

19 - 5 = ___

8 + 11 = ___

___ + 4 = 19

___ + 6 = 19

20 - 8 = ___

20 - ___ = 5

20 - ___ = 0

___ + 9 = 20

___ + 2 = 20

20 - ___ = 10

20 - 7= ___

10 + ___ = 20

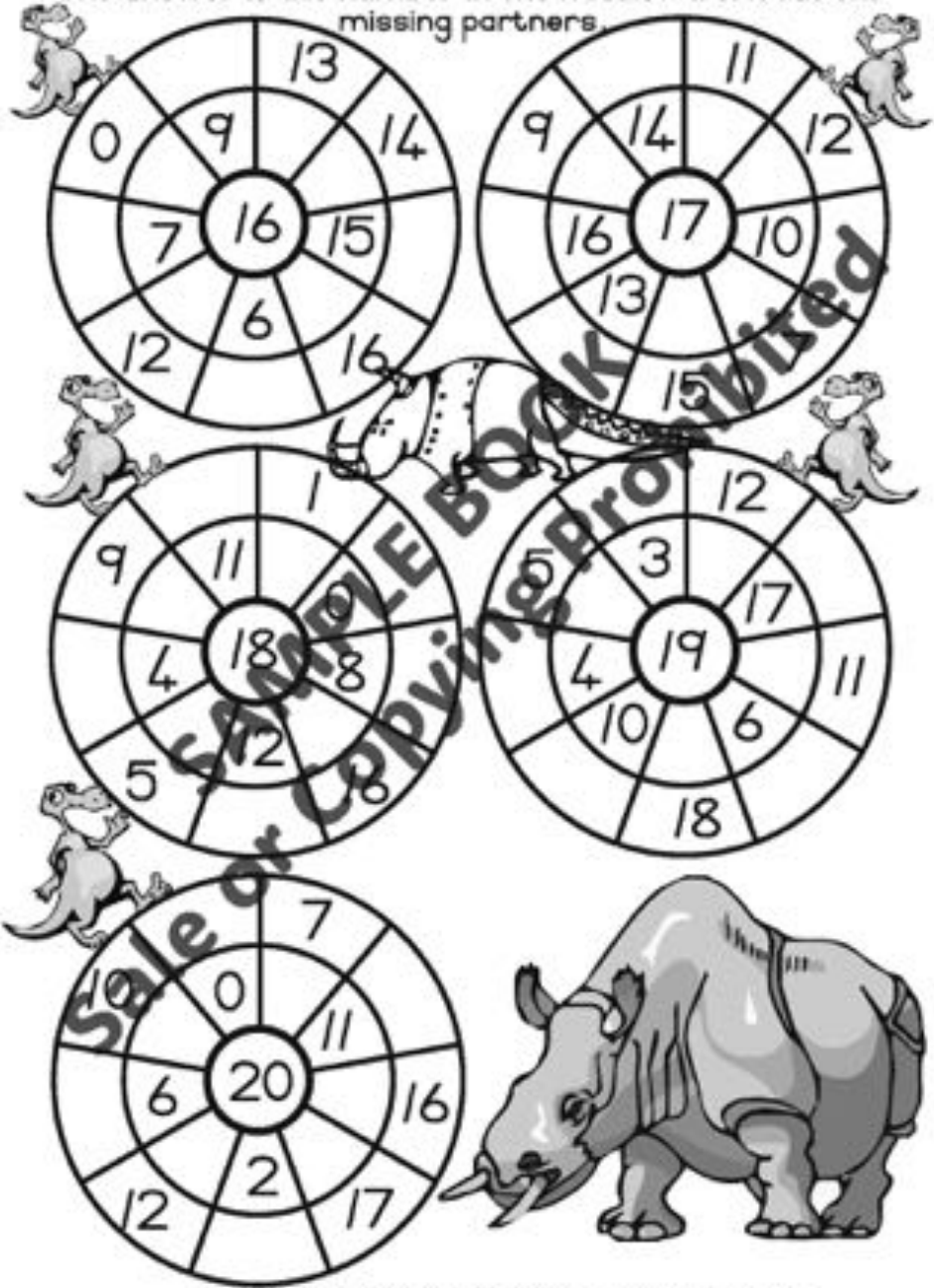
2 + ___ = 20

___ + 3 = 20

13 + ___ = 20

Bonds from sixteen to twenty.

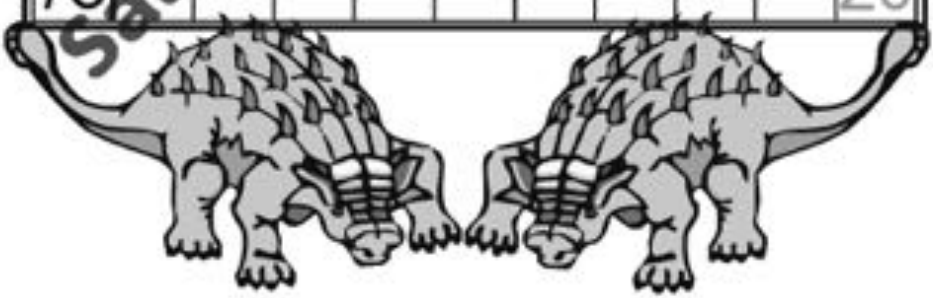
The answer is the number in the middle. Work out the missing partners.



Bonds to twenty.

Fill in the missing answers.

+	1	2	3	4	5	6	7	8	9	10
1										
2										
3										
4										
5			8							
6										
7										
8						14				
9										
10										20



Bonds to twenty.

Fill in the missing answers.

-	11	12	13	14	15	16	17	18	19	20
1										
2										
3										
4										
5			8							
6										
7										
8						8				
9										
10										10

Bonds to twenty.

Write three different number sentences for each of the numbers below. The first one has been done for you.

11 = 6 + 5	16 = _____
11 = _____	16 = _____
11 = _____	16 = _____
12 = _____	17 = _____
12 = _____	17 = _____
12 = _____	17 = _____
13 = _____	18 = _____
13 = _____	18 = _____
13 = _____	18 = _____
14 = _____	19 = _____
14 = _____	19 = _____
14 = _____	19 = _____
15 = _____	20 = _____
15 = _____	20 = _____
15 = _____	20 = _____

Number cards on back of page.

Cut the cards out along the dotted lines.

5	6
7	8
9	10
10	11
12	13
14	15

Bonds to twenty.

Put the cards in 6 equal piles so that each pile adds up to 10. Record your results here:

Pile 1 ☐ + ☐ ☐

Pile 2 ☐ + ☐ ☐

Pile 3 ☐ + ☐ ☐

Pile 4 ☐ + ☐ ☐

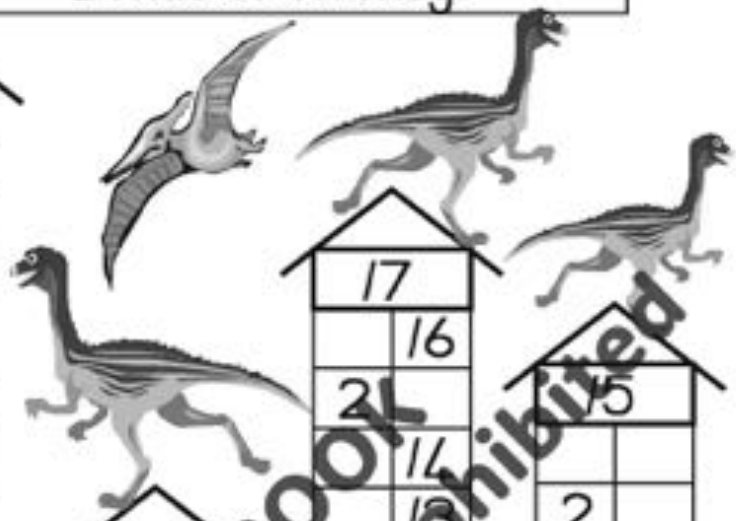
Pile 5 ☐ + ☐ ☐

Pile 6 ☐ ☐ + ☐

Card game:
Addition and subtraction - play in groups of 2 - 4. Use two packs of cards and take turns to turn 2 up at a time. Add or subtract them (decide before the time which one to do) and the first one to answer correctly keeps the cards.
The player with the most cards at the end of the game, wins the game.

Double		Halve	
5		10	
6		12	
7	14	14	
8		16	
9		18	
0		20	

Bonds to twenty.



20	
1	
	18
3	
4	
5	
	14
	13
8	
	11
10	
11	
	8
	7
	6
15	
	4
17	
	2
19	
20	

12	
1	
	10
	8
4	
5	
6	
	5
8	
	3
10	
	1
	0

17	
	16
2	
	14
	13
5	
6	
	10
	9
9	
10	
	6
	5
	4
14	
	2
16	
	0

15	
2	
3	
	11
5	
	9
	8
	7
9	
10	
11	
	3
13	
	1
15	

Bonds to twenty.

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

13	
	12
2	
3	
	9
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7	
8	
	4
	3
	2
12	
13	

14	
	13
2	
3	
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	7
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	3
	2
13	
14	

18	
1	
2	
3	
	14
5	
	12
	11
8	
	9
10	
11	
	6
	5
	4
15	
16	
	1
	0

Bonds to twenty.

19	
1	
2	17
	16
4	
	14
6	
7	
	11
	10
	9
11	
12	
13	6
14	
	4
16	
17	
	1
	0

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

16 - 2 = ___

18 - 5 = ___

8 + 12 = ___

___ + 4 = 19

___ + 6 = 15

20 - 8 = ___

18 - ___ = 5

19 - ___ = 0

___ + 10 = 20

___ + 2 = 20

20 - ___ = 10

17 - 9 = ___

12 + ___ = 18

13 + ___ = 16

___ + 10 = 17

16 + ___ = 17