

# Addition & Subtraction Fact Fluency Sets

*Adapted and Created by: Becky Berg*

Print pages back to back  
(duplex) so that the  
problem is on the front and  
the answer is on the back.

# Common Core Standards

*These flash cards were developed for students that are working on fluently mastering the addition and subtraction facts within 20. These sets include both addition and subtraction facts to encourage students to use the strategies, properties, and inverse operations.*

***2.OA.2*** *Fluently add and subtract within 20 using mental strategies. (Refer to standard 1.OA.6 for a list mental strategies). Know from memory all sums of two one-digit numbers.*

|       |                         |
|-------|-------------------------|
| Set A | + 0, - 0, Sub. All      |
| Set B | + 1, - 1, Diff. of 1    |
| Set C | + 2, -2, Diff. of 2     |
| Set D | Friendly 10/Near 10     |
| Set E | Add & Sub. Doubles      |
| Set F | Add & Sub. Near Doubles |
| Set G | Connecting to Base 10   |
| Set H | Leftovers               |

# Set A

Adding 0, Subtracting 0,  
Subtracting All

$$0 + 0 = \underline{\quad}$$

$$1 + 0 = \underline{\quad}$$

$$0 + 2 = \underline{\quad}$$

$$3 + 0 = \underline{\quad}$$

$$0 + 4 = \underline{\quad}$$

$$5 + 0 = \underline{\quad}$$

$$0 + 6 = \underline{\quad}$$

$$0 + 0 = 0$$

$$0 + 2 = 2$$

$$1 + 0 = 1$$

$$0 + 4 = 4$$

$$3 + 0 = 3$$

$$0 + 6 = 6$$

$$5 + 0 = 5$$

A

$7 + 0 = \underline{\quad}$

A

$0 + 8 = \underline{\quad}$

A

$9 + 0 = \underline{\quad}$

A

$0 + 10 = \underline{\quad}$

A

$4 - 0 = \underline{\quad}$

A

$6 - 0 = \underline{\quad}$

A

$9 - 0 = \underline{\quad}$

A

$5 - 5 = \underline{\quad}$

$$0 + 8 = 8$$

$$7 + 0 = 7$$

$$0 + 10 = 10$$

$$9 + 0 = 9$$

$$6 - 0 = 6$$

$$4 - 0 = 4$$

$$5 - 5 = 0$$

$$9 - 0 = 9$$

A

$$8 - 8 = \underline{\quad}$$

# Set B

Adding 1, Subtracting 1,  
Difference of 1

B

B

$$1 + 0 = \underline{\quad}$$

$$1 + 1 = \underline{\quad}$$

B

B

$$2 + 1 = \underline{\quad}$$

$$1 + 3 = \underline{\quad}$$

B

B

$$1 + 4 = \underline{\quad}$$

$$5 + 1 = \underline{\quad}$$

$$8 - 8 = 0$$

$$1 + 1 = 2$$

$$1 + 0 = 1$$

$$1 + 3 = 4$$

$$2 + 1 = 3$$

$$5 + 1 = 6$$

$$1 + 4 = 5$$



B

$1 + 6 = \underline{\quad}$

B

$7 + 1 = \underline{\quad}$

B

$1 + 8 = \underline{\quad}$

B

$9 + 1 = \underline{\quad}$

B

$1 + 10 = \underline{\quad}$

B

$6 - 1 = \underline{\quad}$

B

$8 - 1 = \underline{\quad}$

B

$4 - 3 = \underline{\quad}$

$$7 + 1 = 8$$

$$1 + 6 = 7$$

$$9 + 1 = 10$$

$$1 + 8 = 9$$

$$6 - 1 = 5$$

$$1 + 10 = 11$$

$$4 - 3 = 1$$

$$8 - 1 = 7$$

B

$$5 - 4 = \underline{\quad}$$

B

$$7 - 6 = \underline{\quad}$$

B

$$9 - 8 = \underline{\quad}$$

B

$$10 - 9 = \underline{\quad}$$

C

## SET C

Adding 2, Subtracting 2,  
Difference of 2

$$2 + 0 = \underline{\quad}$$

C

$$1 + 2 = \underline{\quad}$$

C

$$2 + 2 = \underline{\quad}$$

$$7 - 6 = 1$$

$$5 - 4 = 1$$

$$10 - 9 = 1$$

$$9 - 8 = 1$$

$$2 + 0 = 2$$

$$2 + 2 = 4$$

$$1 + 2 = 3$$

c

c

$2 + 3 = \underline{\quad}$

$4 + 2 = \underline{\quad}$

c

c

$2 + 5 = \underline{\quad}$

$6 + 2 = \underline{\quad}$

c

c

$2 + 7 = \underline{\quad}$

$2 + 8 = \underline{\quad}$

c

c

$9 + 2 = \underline{\quad}$

$2 + 10 = \underline{\quad}$

$$4 + 2 = 6$$

$$2 + 3 = 5$$

$$6 + 2 = 8$$

$$2 + 5 = 7$$

$$2 + 8 = 10$$

$$2 + 7 = 9$$

$$2 + 10 = 12$$

$$9 + 2 = 11$$

c

$5 - 2 = \underline{\quad}$

c

$6 - 2 = \underline{\quad}$

c

$8 - 2 = \underline{\quad}$

c

$7 - 5 = \underline{\quad}$

c

$8 - 6 = \underline{\quad}$

c

$9 - 7 = \underline{\quad}$

D

# Set D

Friendly 10 and Near 10

$0 + 10 = \underline{\quad}$

$$6 - 2 = 4$$

$$5 - 2 = 3$$

$$7 - 5 = 2$$

$$8 - 2 = 6$$

$$9 - 7 = 2$$

$$8 - 6 = 2$$

$$0 + 10 = 10$$



D

$9 + 1 = \underline{\quad}$

D

$8 + 2 = \underline{\quad}$

D

$3 + 7 = \underline{\quad}$

D

$4 + 6 = \underline{\quad}$

D

$5 + 5 = \underline{\quad}$

D

$6 + 5 = \underline{\quad}$

D

$7 + 4 = \underline{\quad}$

D

$8 + 3 = \underline{\quad}$

$$8 + 2 = 10$$

$$9 + 1 = 10$$

$$4 + 6 = 10$$

$$3 + 7 = 10$$

$$6 + 5 = 11$$

$$5 + 5 = 10$$

$$8 + 3 = 11$$

$$7 + 4 = 11$$

D

$5 + 4 = \underline{\quad}$

D

$6 + 3 = \underline{\quad}$

D

$10 - 7 = \underline{\quad}$

D

$10 - 6 = \underline{\quad}$

D

$10 - 4 = \underline{\quad}$

D

$11 - 3 = \underline{\quad}$

D

$11 - 7 = \underline{\quad}$

D

$9 - 5 = \underline{\quad}$

$$6 + 3 = 9$$

$$5 + 4 = 9$$

$$10 - 6 = 4$$

$$10 - 7 = 3$$

$$11 - 3 = 8$$

$$10 - 4 = 6$$

$$9 - 5 = 4$$

$$11 - 7 = 4$$

D

$$9 - 3 = \underline{\quad}$$

# Set E

Adding & Subtracting  
Doubles

E

E

$$2 + 2 = \underline{\quad}$$

$$3 + 3 = \underline{\quad}$$

E

E

$$4 + 4 = \underline{\quad}$$

$$5 + 5 = \underline{\quad}$$

E

E

$$6 + 6 = \underline{\quad}$$

$$7 + 7 = \underline{\quad}$$

$$9 - 3 = 6$$

$$3 + 3 = 6$$

$$2 + 2 = 4$$

$$5 + 5 = 10$$

$$4 + 4 = 8$$

$$7 + 7 = 14$$

$$6 + 6 = 12$$

E

$8 + 8 = \underline{\quad}$

E

$9 + 9 = \underline{\quad}$

E

$10 + 10 = \underline{\quad}$

E

$6 - 3 = \underline{\quad}$

E

$8 - 4 = \underline{\quad}$

E

$10 - 5 = \underline{\quad}$

E

$14 - 7 = \underline{\quad}$

E

$16 - 8 = \underline{\quad}$

$$9 + 9 = 18$$

$$8 + 8 = 16$$

$$6 - 3 = 3$$

$$10 + 10 = 20$$

$$10 - 5 = 5$$

$$8 - 4 = 4$$

$$16 - 8 = 8$$

$$14 - 7 = 7$$



E

$$18 - 9 = \underline{\quad}$$

# SET F

Adding & Subtracting  
Near Doubles

F

F

$$2 + 3 = \underline{\quad}$$

$$3 + 4 = \underline{\quad}$$

F

F

$$4 + 5 = \underline{\quad}$$

$$5 + 6 = \underline{\quad}$$

F

F

$$6 + 7 = \underline{\quad}$$

$$7 + 8 = \underline{\quad}$$

$$18 - 9 = 9$$

$$3 + 4 = 7$$

$$2 + 3 = 5$$

$$5 + 6 = 11$$

$$4 + 5 = 9$$

$$7 + 8 = 15$$

$$6 + 7 = 13$$

F

$8 + 9 = \underline{\quad}$

F

$5 - 2 = \underline{\quad}$

F

$7 - 3 = \underline{\quad}$

F

$9 - 5 = \underline{\quad}$

F

$11 - 5 = \underline{\quad}$

F

$15 - 8 = \underline{\quad}$

G

# SET G

Connecting to Base 10

Adding & Subtracting 10 and 9

$10 + 3 = \underline{\quad}$

$$5 - 2 = 3$$

$$8 + 9 = 17$$

$$9 - 5 = 4$$

$$7 - 3 = 4$$

$$15 - 8 = 7$$

$$11 - 5 = 6$$

$$10 + 3 = 13$$

G

$10 + 4 = \underline{\quad}$

G

$5 + 10 = \underline{\quad}$

G

$10 + 6 = \underline{\quad}$

G

$7 + 10 = \underline{\quad}$

G

$10 + 8 = \underline{\quad}$

G

$9 + 10 = \underline{\quad}$

G

$9 + 3 = \underline{\quad}$

G

$4 + 9 = \underline{\quad}$

$$5 + 10 = 15$$

$$10 + 4 = 14$$

$$7 + 10 = 17$$

$$10 + 6 = 16$$

$$9 + 10 = 19$$

$$10 + 8 = 18$$

$$4 + 9 = 13$$

$$9 + 3 = 12$$

$5 + 9 = \underline{\quad}$

$9 + 6 = \underline{\quad}$

$7 + 9 = \underline{\quad}$

$9 + 8 = \underline{\quad}$

$12 - 2 = \underline{\quad}$

$16 - 6 = \underline{\quad}$

$18 - 8 = \underline{\quad}$

$13 - 10 = \underline{\quad}$

$$9 + 6 = 15$$

$$5 + 9 = 14$$

$$9 + 8 = 17$$

$$7 + 9 = 16$$

$$16 - 6 = 10$$

$$12 - 2 = 10$$

$$13 - 10 = 3$$

$$18 - 8 = 10$$



G

G

$14 - 9 = \underline{\quad}$

$15 - 9 = \underline{\quad}$

G

$16 - 9 = \underline{\quad}$

**SET H**

Leftovers

H

H

$8 + 6 = \underline{\quad}$

$3 + 5 = \underline{\quad}$

H

H

$4 + 8 = \underline{\quad}$

$5 + 7 = \underline{\quad}$

$$15 - 9 = 6$$

$$14 - 9 = 5$$

$$16 - 9 = 7$$

$$3 + 5 = 8$$

$$8 + 6 = 14$$

$$5 + 7 = 12$$

$$4 + 8 = 12$$

H

$5 + 8 = \underline{\quad}$

H

$6 + 8 = \underline{\quad}$

H

$8 + 5 = \underline{\quad}$

H

$8 - 5 = \underline{\quad}$

H

$12 - 5 = \underline{\quad}$

H

$12 - 8 = \underline{\quad}$

H

$13 - 5 = \underline{\quad}$

H

$14 - 8 = \underline{\quad}$

$$6 + 8 = 14$$

$$5 + 8 = 13$$

$$8 - 5 = 3$$

$$8 + 5 = 13$$

$$12 - 8 = 4$$

$$12 - 5 = 7$$

$$14 - 8 = 6$$

$$13 - 5 = 8$$