Name: _____

INVERSE OPERATIONS

Inverse operations are pairs of mathematical actions that undo each other.

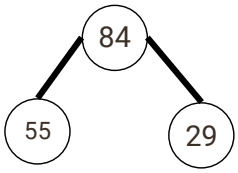
Addition and **subtraction** are inverse operations.

Multiplication and **division** are inverse operations.

Fact Families - Addition and Subtraction

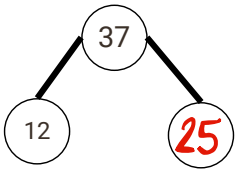
For each set of numbers, write four different **addition** and **subtraction** facts.

a)



55 + 29 = 84
29 + 55 = 84
84 - 55 = 29
84 - 29 = 55

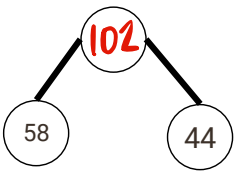
b)



12 + 25 = 37
25 + 12 = 37
37 - 12 = 25
37 - 25 = 12

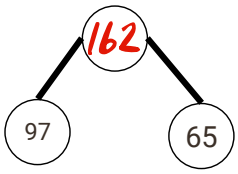
Inverse operations can allow you to check your answers to calculations!

c)



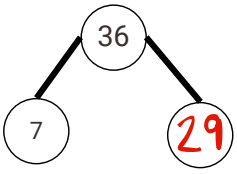
58 + 44 = 102
44 + 58 = 102
102 - 58 = 44
102 - 44 = 58

d)



97 + 65 = 162
65 + 97 = 162
162 - 97 = 65
162 - 65 = 97

e)



7 + 29 = 36
29 + 7 = 36
36 - 7 = 29
36 - 29 = 7

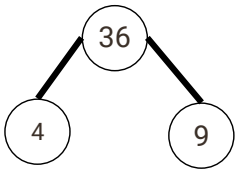
Name: _____

INVERSE OPERATIONS

Fact Families - Multiplication and Division

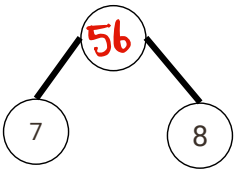
For each set of numbers, write four different **multiplication** and **division** facts.

a)



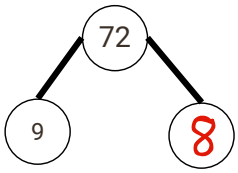
4 x 9 = 36
9 x 4 = 36
36 ÷ 4 = 9
36 ÷ 9 = 4

b)



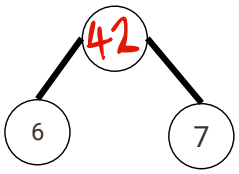
7 x 8 = 56
8 x 7 = 56
56 ÷ 7 = 8
56 ÷ 8 = 7

c)



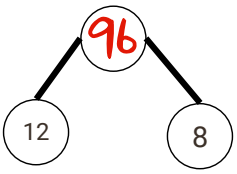
9 x 8 = 72
8 x 9 = 72
72 ÷ 9 = 8
72 ÷ 8 = 9

d)



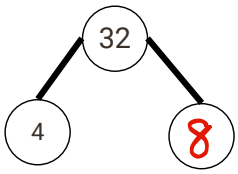
6 x 7 = 42
7 x 6 = 42
42 ÷ 6 = 7
42 ÷ 7 = 6

e)



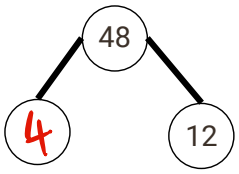
12 x 8 = 96
8 x 12 = 96
96 ÷ 12 = 8
96 ÷ 8 = 12

f)



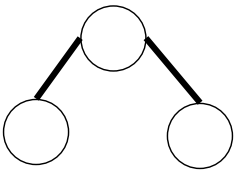
4 x 8 = 32
8 x 4 = 32
32 ÷ 4 = 8
32 ÷ 8 = 4

g)



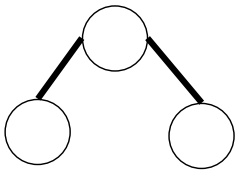
4 x 12 = 48
12 x 4 = 48
48 ÷ 4 = 12
48 ÷ 12 = 4

h)



☐ x ☐ = ☐
☐ x ☐ = ☐
☐ ÷ ☐ = ☐
☐ ÷ ☐ = ☐

i)



☐ x ☐ = ☐
☐ x ☐ = ☐
☐ ÷ ☐ = ☐
☐ ÷ ☐ = ☐

Create your own!