PA3-16 Equal and Not Equal

 Write the number of balls on each table. Write = if the tables have the same number. Write ≠ if they do not have the same number.



2. Write the number of balls. Write = or \neq in the box.



Patterns and Algebro 3-16

3. Circle the correct addition sentence.

a) $(7 = 3 + 4)$	b) 9 = 5 + 3	c) $8 = 6 + 2$
7 ≠ 3 + 4	$(9 \neq 5 + 3)$	8 ≠ 6 + 2
d) 5 = 3 + I	e) II + 5 = 16	f) 12 + 3 = 15
5 ≠ 3 + I	ll + 5 ≠ l6	l2 + 3 ≠ l5

An equation is a number sentence that has an equal sign (=).

3 + 5 = 8 ▲ equal sign

The equal sign shows that the left side of the number sentence has the same value as the right side.

4. Circle the number sentences that are equations.

A. 5 + 7 ≠ I3	B. 6 < 9	C. $15 - 2 = 13$
D . 4 = 32 ÷ 8	E. 6 × 5 > 15	F . 14 ≠ 12 + 3

5. Write "T" if the equation is true. Write "F" if the equation is false.

a) 3 + 7 = 10 <u>T</u>	b) 9 + 4 = 12	c) 2 + 17 = 18
d) 6 – 2 = 4	e) 24 – 5 = I9	f) 25 - I3 = II
g) 3 × 9 = 27	h) 6 × 7 = 42	i) 56 = 8 × 8
j) 24 ÷ 4 = 8	k) 12 ÷ 3 = 4	l) 6 = 35 ÷ 5
m) 14 + 13 = 27	n) 9 × 3 = 28	o) 9 = 45 ÷ 5
p) 18 - 12 = 7	q)4 = 15 - 10	r) 8 = 80 ÷ 10
BONUS ►		
s) 2 + 4 = 3 × 2	t) 5 + 6 = 14 - 2	u) 24 ÷ 6 = 10 - 6

I. Some apples are inside the box and some are outside. Draw the missing apples in the box.



2. Draw the missing apples in the box. Then write the missing number in the smaller box.



When you find the missing number in the equation, you solve it.

3. Draw a picture for the equation. Use your picture to solve the equation.

a)
$$5 + \boxed{} = 6$$

b) $\boxed{} + 4 = 9$
c) $8 = \boxed{} + 3$
d) $\boxed{} = 4 + 4$

4. Solve the equation by guessing and checking.

a) 🗌 + 3 = 4	b) 2 + 📃 = 9	c) 9 = 🗌 + 4	d) 10 = 6 +
e) 5 + 7 =	f) = 7 + 6	g) I5 = 9 +	h) + 8 = I6

You can write 2 addition equations and 2 subtraction equations for this picture.

3+4=7 4+3=7 7-3=4 7-4=3

These equations make a fact family.

5. Write the fact family for the picture.

a) OO OOOOO	b) 00000000	c) 0000000

COPYRIGHT © 2016 JUMP

6. Draw a picture for the equation. Write the rest of the fact family.



PA3-18 Subtraction Equations

 Sam takes some apples from a box. Draw the apples that were in the box before.



Draw the missing apples. Then write the missing number in the smaller box.



3. Draw a picture for the equation. Use your picture to solve the equation.







Lela takes 3 apples from a box. 2 apples are left in the box.



Lela adds the number of apples she took out and the number of apples left to find the number of apples that started in the box.



5. Write an addition equation to find the number of apples that were in the box before.



Patterns and Algebra 3-16



REMINDER > You can write a fact family for this picture.

Patterns and Algebra 3-18