Algebra Puzzle Grids

Each picture represents a number. Each line (vertical and horizontal) is added up to get the numbers in the blank squares. Hint: In the first puzzle, I would start with the column of dogs, 🐶 + 🐶 + 🐶 = 27.

Puzzle 1 (dogs, cats, rabbits):

🐶	🐱	🐱	19
🐶	🐰	🐱	
🐶	🐰	🐰	
27		21	

🐶 =   🐱 =   🐰 =

Puzzle 2 (tools):

screwdriver	screwdriver	hammer	wrench	
screwdriver	hammer	hammer	wrench	25
hammer	wrench	hammer	hammer	28
		18		

hammer =   wrench =   screwdriver =

Puzzle 3 (milkshake, sundae, cake):

milkshake	milkshake	sundae	
milkshake	sundae	sundae	11
cake	cake	cake	36
26			

cake =   milkshake =   sundae =

Puzzle 4 (fries, burger, cola):

fries	fries	burger	burger	30
burger	cola	cola	cola	24
burger	cola	cola	fries	
18				

fries =   burger =   cola =

Puzzle 5 (tennis, dumbbell, soccer):

tennis	tennis	soccer	8
dumbbell	dumbbell	soccer	
tennis	dumbbell	soccer	
	25	-6	

soccer =   tennis =   dumbbell =

Puzzle 6 (car, bus, bicycle):

car	bus	car	car	
bus	bus	bicycle	bus	0
car	bicycle	bicycle	bicycle	-1
	2			

bicycle =   car =   bus =

Solutions

Puzzle 1

🐶	🐱	🐱	19
🐶	🐰	🐱	25
🐶	🐰	🐰	31
27	27	21	

🐶 =9   🐱 =5   🐰 =11

Puzzle 2

🥤	🥤	🍨	16
🥤	🍨	🍨	11
🍰	🍰	🍰	36
26	21	16	

🍰 =12   🥤 =7   🍨 =2

Puzzle 3

🎾	🎾	⚽	8
🏋️	🏋️	⚽	18
🎾	🏋️	⚽	17
20	25	-6	

⚽ =-2   🎾 =5   🏋️ =10

Puzzle 4

🪛	🪛	🔨	🔧	22
🪛	🔨	🔨	🔧	25
🔨	🔧	🔨	🔨	28
12	19	18	26	

🔨 =6   🔧 =10   🪛 =3

Puzzle 5

🍟	🍟	🍔	🍔	30
🍔	🥤	🥤	🥤	24
🍔	🥤	🥤	🍟	29
18	26	17	22	

🍟 =12   🍔 = 3   🥤 =7

Puzzle 6

🏎️	🚌	🏎️	🏎️	25
🚌	🚌	🚲	🚌	0
🏎️	🚲	🚲	🚲	-1
17	-1	2	6	

🚲 =-3   🏎️ =8   🚌 =1