

**WEDNESDAY MORNING MATH -
LEVEL 1, PROBLEM 1**

Dr. Hunter was hungry late one night.

- She opened the first cookie jar and ate 4 peanut butter cookies.
- She opened the second cookie jar and ate 8 chocolate chip cookies.
- She opened the third cookie jar and ate 12 oatmeal cookies.
- Then, she went to the fourth cookie jar which had yummy brownies.

If Dr. Hunter continues to eat in the same way, how many brownies will she eat from the fourth cookie jar?

She will continue to get 4 more sweets in each jar, so she will eat 16 brownies.

CHALLENGE: In total, how many sweets did Dr. Hunter eat?

$$4 + 8 + 12 + 16 = 40 \text{ sweets}$$

Wednesday Morning Math – Level I, Problem 2

Mrs. Siebert and Mrs. Taylor decided to sell coffee at a recent faculty meeting.

- They sold the first cup of coffee for 9 cents.
- After the first cup, they sold each cup of coffee for 7 cents.

If the teachers sold 6 cups of coffee, how much money did they collect all together?

$$9 + 7 + 7 + 7 + 7 + 7 = 44 \text{ cents}$$

Wednesday Morning Math – Level I, Problem 3

Mr. Hunnicutt and Mrs. Pickett were playing basketball one day during recess.

- Together they scored 19 points.
- Mrs. Pickett scored 3 points more than Mr. Hunnicutt.

How many points did each of the teachers get?

8 points – Mr. Hunnicutt

11 points – Mrs. Pickett

Wednesday Morning Math – Level I, Problem 4

Mrs. Williams bought a bunch of new books for the Lower School library.

- She bought 3 more mysteries than humor books.
- She bought 6 more humor books than scary books.
- She bought 4 less biographies than scary books.
- She bought 9 more history books than biographies.
- She bought 20 history books.

How many of each type of book did Mrs. Williams buy?

History = 20

Biographies = 11

Scary = 15

Humor = 21

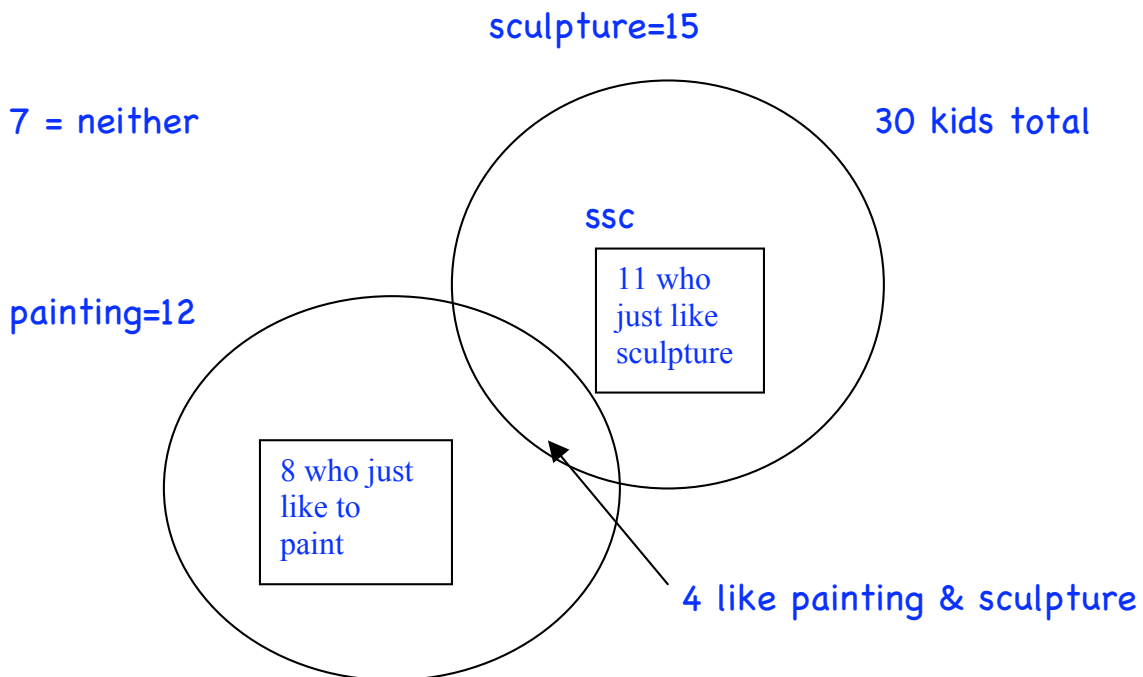
Mystery = 24

Wednesday Morning Math - Level II, Problem 1

There are 30 kids in art class.

- 12 of the kids like painting best.
- 15 of the kids like sculpture best.
- Of those 12 kids who like painting, and 15 kids who like sculpture, 4 of the kids said they like painting and sculpture equally.
- The rest of the kids didn't really like painting or sculpting.

How many kids didn't like painting or sculpting? **7 kids**
(HINT: Use a Venn diagram!)



$8 + 4 + 11 = 23$; since there are 30 kids total, $30 - 23 = 7$
(so 7 like neither painting or sculpting)

Wednesday Morning Math - Level II, Problem 2

Mrs. Clore and Mr. Turner were planting flowers in the garden on the upper field.

- They planted 4 flowers in the first row. + 3 to get the next
- They planted 7 flowers in the second row. + 4 to get the next
- They planted 11 flowers in the third row. + 5 to get the next
- They planted 16 flowers in the fourth row. + 6 to get the next

How many flowers did the teachers plant in the seventh (and last) row? 37 flowers

CHALLENGE: How many flowers did the teachers plant all together?

$$4 + 7 + 11 + 16 + 22 + 29 + 37 = 126 \text{ flowers total}$$

Wednesday Morning Math - Level II, Problem 3

Ms. Bayard decided to get some new foods for the salad bar at lunch.

- She put out 3 more kiwis than artichoke hearts;
- She put out 6 fewer artichoke hearts than mangoes;
- She put out 4 more pomegranates than mangoes;
- She put out 2 fewer pomegranates than red peppers;
- She put out 25 red peppers since the kids really love the red peppers.

How many of each new fruit and vegetable did Ms. Bayard put at the salad bar?

Red Peppers = 25

Pomegranates = 23

Mangoes = 19

Artichoke Hearts = 13

Kiwis = 16

Wednesday Morning Math - Level II, Problem 4

Mrs. Coleman and Mrs. Siebert both decided to read the new Magic Tree House book.

- This weekend they read 58 pages all together.
- Mrs. Siebert read 10 pages more than Mrs. Coleman.

How many pages did each of the teachers read?

Mrs. Coleman = 24 pages

Mrs. Siebert = 34 pages

Wednesday Morning Math - Level III, Problem 1

Mrs. Oney and Mrs. Staples are collecting stamps for their classroom.

- They have 3 more stamps from Indonesia than they do from Argentina.
- They have $\frac{1}{2}$ as many stamps from Argentina as they do from Micronesia.
- They have 4 times as many stamps from Micronesia as they do from Portugal.
- They have $\frac{1}{3}$ as many stamps from Portugal as they do from Senegal.
- They have 18 stamps from Senegal.

How many stamps did the teachers collect from each country?

Senegal = 18

Portugal = 6

Micronesia = 24

Argentina = 12

Indonesia = 15

Wednesday Morning Math - Level III, Problem 2

Mrs. DuMont was painting a mural at school.

- On the first row, she painted 8 birds.
- On the second row, she painted 5 birds.
- On the third row, she painted 13 birds.
- On the fourth row, she painted 10 birds.

How many birds did she paint on the tenth row?

The pattern seems to be $-3, +8, -3, +8, \dots$

8, 5, 13, 10, 18, 15, 23, 20, 28, 25

Wednesday Morning Math - Level III, Problem 3

Mr. Chapman and Mr. Turner were playing basketball after school one day.

- Together they made 54 baskets.
- Mr. Turner has been practicing his free throws so he made 10 baskets more than Mr. Chapman.

How many baskets did each teacher make?

Mr. Turner = 32

Mr. Chapman = 22

Wednesday Morning Math - Level III, Problem 4

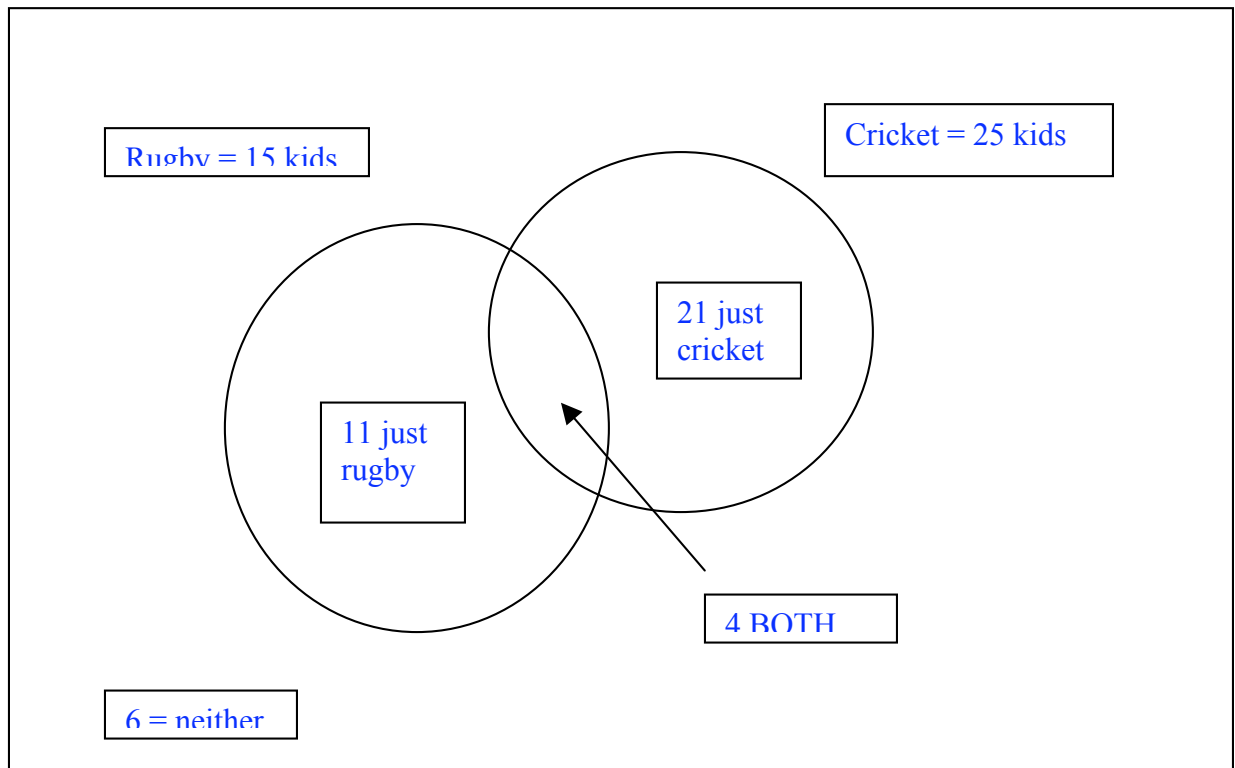
There were 42 kids in P.E. class one day.

- 15 of the kids wanted to play rugby (although some of these wanted to play cricket as well).
- 25 of the kids wanted to play cricket (although some of these wanted to play rugby as well)
- 6 of the kids did not want to play either sport.

How many kids wanted to play both rugby and cricket? **4**
(HINT: Use a Venn diagram!)

$$11 + 4 + 21 + 6 = 42$$

42 total kids



Wednesday Morning Math - Level IV, Problem 1

A class decided to do a survey about how the kids in the class liked to spend their free time.

- 18 kids said they like to read.
- 16 kids said they liked to do sports.
- 10 kids said they like to watch television.

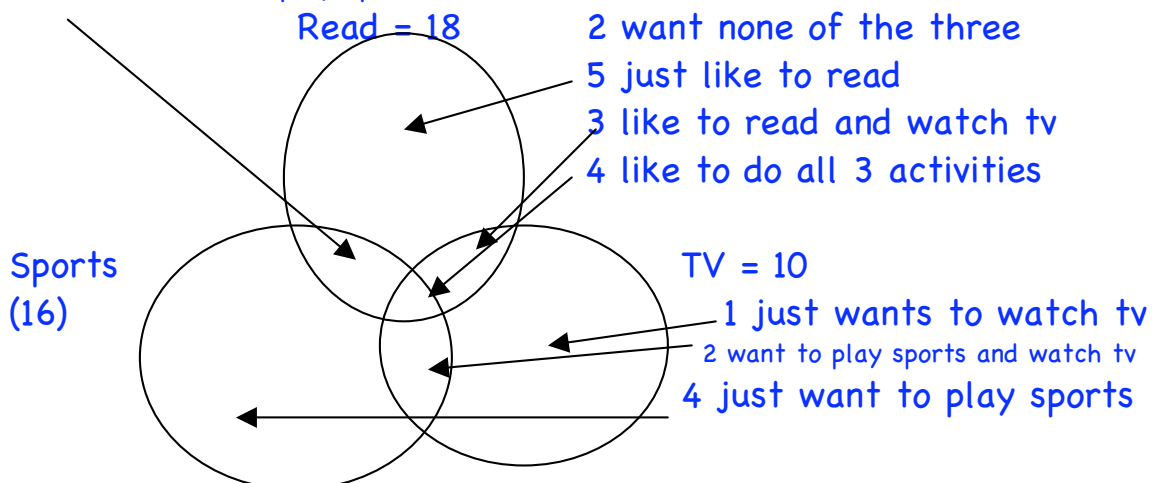
Of those:

- 6 kids said they liked to read and do sports.
- 2 kids said they liked to do sports and watch television.
- 3 kids said they liked to read and watch television.
- 4 kids said they liked to do all three activities: read, play sports, and watch television.

If 2 kids said that they liked to go bird watching in their free time, how many kids were in the class all together? **27 all**

together ($5 + 6 + 4 + 3 + 4 + 2 + 1 + 2 = 27$)

6 want to read and play sports



Wednesday Morning Math - Level IV, Problem 2

Mrs. Garnett and Mrs. Shoemake decided to save up money to buy some new books for their classroom.

- On the first day, they saved \$4.20.
- On the second day, they saved \$3.85.
- On the third day, they saved \$3.50.

If this pattern of savings continues, how much money will they have saved ALL TOGETHER after seven days? **\$22.05**

They save \$.35 less each day, so the pattern would continue like this:

4.20, 3.85, 3.50, 3.15, 2.80, 2.45, 2.10 = total savings of 22.05

Wednesday Morning Math - Level IV, Problem 3

Mrs. Chewing and Mrs. Featherston went to the zoo this weekend. They saw emus, owls, and orangutans.

- All together, they saw 150 of these animals.
- They saw twice as many emus as owls.
- They saw 25 more orangutans than emus.

How many of each of the animals did the teachers see?

Emus = 50

Owls = 25

Orangutans = 75

**Wednesday Morning Math -
Level IV, Problem 4**

Mrs. Terry went to the pet store.

6 cats plus one dog costs the same as 9 cats.

If one cat costs \$4.00, how much did the dog cost? **\$12**