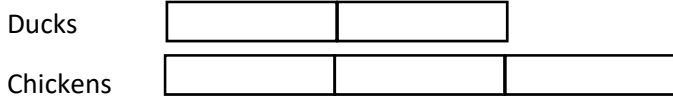


Writing ratio sentences and drawing bar diagrams for ratios name: _____

1. This diagram show the ratio of ducks to chickens on a farm:



a. Write a sentence that uses a ratio (___:___) to compare ducks to chickens

b. Write a sentence that uses a ratio to compare chickens to ducks

c. Write a sentence that tells what fraction of the birds are ducks

d. Write a sentence that tells what fraction of the birds are chickens.

e. Write a sentence that tells how many times as many chickens as ducks there are

f. Write a sentence that tells how many times as many ducks as chickens there are.

2. The ratio of blue pens to black pens in the drawer is 3:4.

a. Draw a bar diagram showing how the numbers of black and blue pens are related.

b. Write a sentence that uses a ratio to compare black pens to blue pens

c. Write a sentence that tells what fraction of the pens are blue

d. Write a sentence that tells what fraction of the pens are black.

e. Write a sentence that tells how many times as many blue pens as black pens there are

f. Write a sentence that tells how many times as many black pens as blue pens there are.

3. Two thirds of the cupcakes on the plate are chocolate and the rest are vanilla.

a. Draw a bar diagram showing how the numbers of chocolate and vanilla cupcakes are related.

b&c. Write two sentences that use a ratio to compare the cupcakes (one sentence for each order)

d. Write a sentence that tells what fraction of the whole amount are vanilla.

e&f. Write two sentence that tells how many times as many cupcakes there are of one kind as the other.

4. I have pennies and dimes in a jar. There are one fourth as many dimes as pennies in the jar.

a. Draw a bar diagram showing how the numbers of dimes and pennies are related.

b&c. Write two sentences that use a ratio to compare the types of coins (one sentence for each order)

d&e. Write two sentence that tells what fraction of the coins are each kind (one sentence for each kind of coin).

f. Write a sentence that tells how many times as many pennies as dimes there are.