Problem Solving with Ratios

At the beach this weekend the ratio of sand castles to kites was 3 to 5. If there were 15 kites spotted, how many items were seen in all?

sand castles		
kites		
total		

There were a total of 75 animals living in the neighborhood pond. The ratio of koi to frogs was 11 to 4. How many frogs lived in the pond?

The ratio of boys to girls in the lunch room was 4 to 3. If there were 84 students in the cafeteria, how many were girls?

The ratio of oatmeal to raisins in the cookies was 4 to 3. If a large batch of the recipe called for 12 cups of ingredients, how many cups of oatmeal are needed? (Remember that we use fractions when cooking.)

There were 30 chaperones going of the sixth grade field trip. If the ratio of chaperones to students is 1 to 4, then how many people were going on the field trip?

The ratio of toucans to macaws at the zoo was 5 to 7. If there were 60 total birds, how many were macaws?

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KEY

At the beach this weekend the ratio of sand castles to kites was 3 to 5. If there were 15 kites spotted, how many items were seen in all?

sand castles	3	9
kites	5	15
total	8	24

There were a total of 75 animals living in the neighborhood pond. The ratio of koi to frogs was 11 to 4. How many frogs lived in the pond?

koi	11	55
frogs	4	20
total	15	75

The ratio of boys to girls in the lunch room was 4 to 3. If there were 84 students in the cafeteria, how many were girls?

boys	4	48
girls	3	36
total	7	84

The ratio of oatmeal to raisins in the cookies was 4 to 3. If a large batch of the recipe called for 12 cups of ingredients, how many cups of oatmeal are needed? (Remember that we use fractions when cooking.)

oatmeal	4	6 6/7
raisins	3	5 1/7
total	7	12

There were 30 chaperones going of the sixth grade field trip. If the ratio of chaperones to students is 1 to 4, then how many people were going on the field trip?

chaperones	1	30
students	4	120
total	5	150

The ratio of toucans to macaws at the zoo was 5 to 7. If there were 60 total birds, how many were macaws?

toucans	5	25
macaws	7	35
total	12	60