	Understanding Ratios Name:		
<u> </u>	e each problem.		Angwong
	A recipe called for the ratio of sugar to flour to be 4 : 1. If you used 28 ounce of sugar, how many ounces of flour would you need to use?	1.	Answers
2)	At a bake sale there were 48 raisin cookies sold. If the ratio of raisin cookies sold to oatmeal cookies sold was 8 : 5, what is the combined amount of raisin and oatmeal cookies sold?	2. 3.	
3)	For homework, a student had to complete 16 problems total. If she finished 6 problems in class, what is the ratio of problems she still needs to complete to problems that she's already finished?	4. 5.	
4)	In one day a movie store rented out 6 comedies. If the ratio of comedies rented to action movies rented was 3 : 1, how many action movies were rented?	6. 7.	
5)	A student finished 18 of her homework problems in class. If the ratio of problems she finished to problems she still had left was 6 : 1, how many homework problems did she have total?	8 9	
6)	A produce store offers red and green apples. In one morning they sold 48 apples total. If 20 of the apples they sold were red, what is the ratio of green apples sold to red apples sold?	10.	
7)	The ratio of shoes sold to sandals sold was 10 : 7. If there were 40 shoes sold, how many sandals were sold?		
8)	A chess player won 32 of the games he played. If his ratio of wins to loses was 8 : 3, how many games did he play total?		
9)	A parking lot has 65 spaces total. If 30 of the spaces have cars in them, what is the ratio of empty spaces to filled spaces?		
10)	The ratio of red cars to blue cars in a parking lot was 4 : 3. If there were 20 red cars, how many blue cars were there?		

	Understanding Ratios Name: A	nswe	r Key
Solv	e each problem.		Answers
1)	A recipe called for the ratio of sugar to flour to be 4 : 1. If you used 28 ounce of sugar, how many ounces of flour would you need to use?	1	7
		2.	78
2)	At a bake sale there were 48 raisin cookies sold. If the ratio of raisin cookies sold to oatmeal cookies sold was 8 : 5, what is the combined amount of raisin and oatmeal cookies		5:3
	sold?		2
3)	For homework, a student had to complete 16 problems total. If she finished 6 problems in class, what is the ratio of problems she still needs to complete to problems that she's	4. – 5	21
	already finished?		7:5
4)	In one day a movie store rented out 6 comedies. If the ratio of comedies rented to action	6 7.	28
	movies rented was 3 : 1, how many action movies were rented?	'	
		8.	44
5)	A student finished 18 of her homework problems in class. If the ratio of problems she finished to problems she still had left was 6 : 1, how many homework problems did she	9	7:6
	have total?	10.	15
6)	A produce store offers red and green apples. In one morning they sold 48 apples total. If 20 of the apples they sold were red, what is the ratio of green apples sold to red apples sold?	10	
7)	The ratio of shoes sold to sandals sold was 10 : 7. If there were 40 shoes sold, how many sandals were sold?		
8)	A chess player won 32 of the games he played. If his ratio of wins to loses was 8 : 3, how many games did he play total?		
9)	A parking lot has 65 spaces total. If 30 of the spaces have cars in them, what is the ratio of empty spaces to filled spaces?		
10)	The ratio of red cars to blue cars in a parking lot was 4 : 3. If there were 20 red cars, how many blue cars were there?		

		Un	derstanding Ratios		Name:		
Solv	e each problem				- (unite)		Answers
\square	78	7	2	44	7:5		
	5:3	15	7:6	28	21	1.	
1)	-	l for the ratio of su ces of flour would	gar to flour to be 4 : 1 you need to use?	I. If you used 28	ounce of sugar,	2 3.	
2)			in cookies sold. If the what is the combined a			4 5.	
3)		he ratio of problen	complete 16 problems as she still needs to co		-	6	
4)	•		out 6 comedies. If the ny action movies wer		es rented to action	7 8	
5)			ework problems in cl left was 6 : 1, how m		-	9 10	
6)	-	•	reen apples. In one mo ed, what is the ratio o	•••			
7)	The ratio of sh sandals were so		s sold was 10 : 7. If th	ere were 40 shoe	es sold, how many		
8)		won 32 of the gar id he play total?	nes he played. If his r	atio of wins to lo	oses was 8 : 3, how		
9)		nas 65 spaces total. o filled spaces?	If 30 of the spaces h	ave cars in them,	, what is the ratio of		
10)	The ratio of rec many blue cars		in a parking lot was 4	: 3. If there wer	e 20 red cars, how		

	Understanding Ratios Name:	
<u>U</u> Solv	e each problem.	Answers
1)	At a farm the ratio of cows to horses was 10 : 3. If there were 60 cows at the farm, how many horses were there?	1
2)	A chess player won 63 of the games he played. If his ratio of wins to loses was 9 : 2, how many games did he play total?	2 3
3)	During a class election 28 people voted for candidate A. If there were 64 votes total, what is the ratio of votes for candidate B compared to candidate A?	4 5
4)	During the lunch break a deli sold 21 large sodas. If the ratio of large sodas sold to small sodas sold was 7 : 6, how many small sodas were sold?	6 7
5)	At a bake sale there were 10 raisin cookies sold. If the ratio of raisin cookies sold to oatmeal cookies sold was 5 : 4, what is the combined amount of raisin and oatmeal cookies sold?	8 9
6)	A small school has 44 students. If 16 of the students are boys, what is the ratio of girls to boys?	10
7)	A buffet offers ranch or caesar dressing. The ratio of ranch dressing used to caesar dressing used is 5 : 3. If the buffet uses 45 cases of ranch dressing, how many cases of caesar do they use?	
8)	A farm had 81 cows. If the ratio of cows to horses was 9 : 8, what is the combined amount of cows and horses?	
9)	Edward had 65 songs on his MP3 player. If he deleted 20 songs, what is the ratio of songs he kept to songs he deleted?	
10)	During Christmas a book store sold 32 books. If the ratio of books to bookmarks sold was 4 : 1, how many bookmarks did the store sell?	

	Understanding Ratios Name: A	nswe	r Key
Solv	e each problem.		Answers
1)	At a farm the ratio of cows to horses was 10 : 3. If there were 60 cows at the farm, how many horses were there?	1	18
		2	77
2)	A chess player won 63 of the games he played. If his ratio of wins to loses was 9 : 2, how many games did he play total?	3	9:7
		4	18
3)	During a class election 28 people voted for candidate A. If there were 64 votes total, what is the ratio of votes for candidate B compared to candidate A?	5	18
		6	7:4
4)	During the lunch break a deli sold 21 large sodas. If the ratio of large sodas sold to small sodas sold was 7 : 6, how many small sodas were sold?	7	27
		8.	153
5)	At a bake sale there were 10 raisin cookies sold. If the ratio of raisin cookies sold to oatmeal cookies sold was 5 : 4, what is the combined amount of raisin and oatmeal cookies and a cookies and a cookies and a cookies are sold?	s 9	9:4
	sold?	10.	8
6)	A small school has 44 students. If 16 of the students are boys, what is the ratio of girls to boys?		
7)	A buffet offers ranch or caesar dressing. The ratio of ranch dressing used to caesar dressing used is 5 : 3. If the buffet uses 45 cases of ranch dressing, how many cases of caesar do they use?		
8)	A farm had 81 cows. If the ratio of cows to horses was 9 : 8, what is the combined amount of cows and horses?	t	
9)	Edward had 65 songs on his MP3 player. If he deleted 20 songs, what is the ratio of songs he kept to songs he deleted?		
10)	During Christmas a book store sold 32 books. If the ratio of books to bookmarks sold was 4 : 1, how many bookmarks did the store sell?		

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		Unc	lerstanding Ratio	DS	Name:	
Solv	e each problem.	0.110	ionstantoning Haut			Answers
\square	7:4	9:7	18	8	9:4	
	18	153	27	18	77	1
1)	At a farm the rati many horses wer		ses was 10 : 3. If th	ere were 60 cows a	at the farm, how	2
2)	A chess player w many games did	-	es he played. If his	s ratio of wins to los	ses was 9 : 2, how	4
3)	0		voted for candidate B compared to can	e A. If there were 6 didate A?	4 votes total, what	5. 6.
4)	-		21 large sodas. If nall sodas were so	the ratio of large so ld?	odas sold to small	7. 8.
5)				ne ratio of raisin coo 1 amount of raisin a	okies sold to and oatmeal cookies	9. 10.
6)	A small school h boys?	as 44 students. If	² 16 of the students	are boys, what is th	ne ratio of girls to	
7)		5:3. If the buffe	-	² ranch dressing use anch dressing, how		
8)	A farm had 81 co of cows and hors		f cows to horses w	as 9 : 8, what is the	combined amount	
9)	Edward had 65 so he kept to songs	-	player. If he delete	ed 20 songs, what is	s the ratio of songs	
10)	During Christma 4 : 1, how many			ratio of books to bo	ookmarks sold was	
_						<u> </u>

_∩		
	Understanding Ratios Name:	
Solv	e each problem.	Answers
1)	During Christmas a book store sold 54 books. If the ratio of books to bookmarks sold was 6 : 1, how many bookmarks did the store sell?	1
2)	A small school has 14 hours. If the notice of hours to civile is 7 , 5, hour many students are	2
2)	A small school has 14 boys. If the ratio of boys to girls is 7 : 5, how many, students are there total?	3
		4
3)	A video game had 91 levels in it. If you beat 28 of the levels, what is the ratio of levels left to the levels that have been beaten?	5
		6
4)	In one day a movie store rented out 45 comedies. If the ratio of comedies rented to action movies rented was 9 : 2, how many action movies were rented?	7
		8
5)	A student finished 8 of her homework problems in class. If the ratio of problems she finished to problems she still had left was 4 : 1, how many homework problems did she have total?	9
	have total?	10
6)	At a carnival Henry bought 22 tickets. If he used 6 tickets trying to win the ring toss game, what is the ratio of tickets he has to tickets he's used?	
7)	At the carnival, the ratio of people who won the ring toss game to lost it was 5 : 3. If 20 people won, how many people would have lost?	
8)	Will was playing 'Connect Four' with a friend. The ratio of games he won to games he lost was 7 : 2, if he won 42 games, how many games did they play total?	
9)	For homework, a student had to complete 28 problems total. If she finished 7 problems in class, what is the ratio of problems she still needs to complete to problems that she's already finished?	
10)	At an ice cream shop the ratio of sugar cones sold to waffle cones sold is 6 : 5. If there are 30 sugar cones sold, how many waffles cones would be sold?	

	Understanding Ratios Name: A	nswer Key
Solv	e each problem.	Answers
1)	During Christmas a book store sold 54 books. If the ratio of books to bookmarks sold was 6 : 1, how many bookmarks did the store sell?	1. 9
2)	A small school has 14 boys. If the ratio of boys to girls is 7 : 5, how many, students are	224
	there total?	3. $9:4$
3)	A video game had 91 levels in it. If you beat 28 of the levels, what is the ratio of levels left to the levels that have been beaten?	4. <u>10</u> 5. <u>10</u>
4)	In one day a movie store rented out 45 comedies. If the ratio of comedies rented to action	6. <u>8:3</u>
	movies rented was 9 : 2, how many action movies were rented?	7. <u>12</u> 8. 54
5)	A student finished 8 of her homework problems in class. If the ratio of problems she finished to problems she still had left was 4 : 1, how many homework problems did she	9. 3:1
	have total?	10. 25
6)	At a carnival Henry bought 22 tickets. If he used 6 tickets trying to win the ring toss game, what is the ratio of tickets he has to tickets he's used?	
7)	At the carnival, the ratio of people who won the ring toss game to lost it was 5 : 3. If 20 people won, how many people would have lost?	
8)	Will was playing 'Connect Four' with a friend. The ratio of games he won to games he lost was 7 : 2, if he won 42 games, how many games did they play total?	
9)	For homework, a student had to complete 28 problems total. If she finished 7 problems in class, what is the ratio of problems she still needs to complete to problems that she's already finished?	
10)	At an ice cream shop the ratio of sugar cones sold to waffle cones sold is 6 : 5. If there are 30 sugar cones sold, how many waffles cones would be sold?	

		LIn	derstanding Rati	05	Name:	
Solv	e each probler		derstanding Rati	03	ivanic.	Answers
\bigcap	3:1	25	10	12	8:3	
	9	10	54	24	9:4	1
1)	-	mas a book store so ny bookmarks did t		ratio of books to bo	okmarks sold was	2
2)	A small schoot there total?	ol has 14 boys. If th	e ratio of boys to g	irls is 7 : 5, how ma	ny, students are	4
3)	-	had 91 levels in it. hat have been beate	•	he levels, what is the	e ratio of levels left	5. 6.
4)	•	novie store rented o was 9 : 2, how ma		the ratio of comedie vere rented?	es rented to action	7. 8.
5)			-	class. If the ratio of p many homework p		9. 10.
6)		Henry bought 22 tio		ickets trying to win l?	the ring toss game,	
7)		l, the ratio of peopl ow many people w	•	g toss game to lost it	t was 5 : 3. If 20	
8)		ing 'Connect Four' e won 42 games, ho		ratio of games he wo I they play total?	on to games he lost	
9)		the ratio of problen		ms total. If she finis complete to problem	-	
10)		m shop the ratio of s sold, how many v	-	o waffle cones sold i d be sold?	s 6 : 5. If there are	

	Understanding Ratios Name:	
Solv	e each problem.	Answers
1)	During the lunch break a deli sold 12 large sodas. If the ratio of large sodas sold to small sodas sold was 3 : 1, how many small sodas were sold?	1
2)	A cafeteria sold 72 cartons of regular flavored milk. If the ratio of regular milk sold to chocolate milk sold was 9 : 7, what is the combined amount of chocolate and regular milk sold?	2. 3.
3)	A chess player played 99 games total. If he won 36 of the games, what is the ratio of games he lost to games he won?	4 5
4)	At the carnival, the ratio of people who won the ring toss game to lost it was 7 : 5. If 28 people won, how many people would have lost?	6. 7.
5)	At a bake sale there were 54 raisin cookies sold. If the ratio of raisin cookies sold to oatmeal cookies sold was 9 : 8, what is the combined amount of raisin and oatmeal cookies sold?	8 9
6)	For homework, a student had to complete 32 problems total. If she finished 12 problems in class, what is the ratio of problems she still needs to complete to problems that she's already finished?	10
7)	At a pet store the ratio of cats to dogs sold was 7 : 6. If there were 21 cats that were sold, how many dogs were sold?	
8)	A fast food restaurant sold 20 burgers with cheese. If the ratio of burgers sold with cheese compared to without cheese was 5 : 4, how many burgers did they sell total?	
9)	At a carnival Paul bought 30 tickets. If he used 3 tickets trying to win the ring toss game, what is the ratio of tickets he has to tickets he's used?	
10)	A buffet offers ranch or caesar dressing. The ratio of ranch dressing used to caesar dressing used is 8 : 3. If the buffet uses 56 cases of ranch dressing, how many cases of caesar do they use?	

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	Understanding Ratios Name: A	nswe	r Key
Solv	e each problem.		Answers
1)	During the lunch break a deli sold 12 large sodas. If the ratio of large sodas sold to small sodas sold was 3 : 1, how many small sodas were sold?	1	4
2)		2	128
2)	A cafeteria sold 72 cartons of regular flavored milk. If the ratio of regular milk sold to chocolate milk sold was 9 : 7, what is the combined amount of chocolate and regular milk sold?	3.	7:4
		4.	20
3)	A chess player played 99 games total. If he won 36 of the games, what is the ratio of games he lost to games he won?	5.	102
		6	5:3
4)	At the carnival, the ratio of people who won the ring toss game to lost it was 7 : 5. If 28 people won, how many people would have lost?	7	18
		8.	36
5)	At a bake sale there were 54 raisin cookies sold. If the ratio of raisin cookies sold to oatmeal cookies sold was 9 : 8, what is the combined amount of raisin and oatmeal cookie	es 9	9:1
	sold?		21
6)	For homework, a student had to complete 32 problems total. If she finished 12 problems in class, what is the ratio of problems she still needs to complete to problems that she's already finished?	n	
7)	At a pet store the ratio of cats to dogs sold was 7 : 6. If there were 21 cats that were sold, how many dogs were sold?		
8)	A fast food restaurant sold 20 burgers with cheese. If the ratio of burgers sold with cheese compared to without cheese was 5 : 4, how many burgers did they sell total?		
9)	At a carnival Paul bought 30 tickets. If he used 3 tickets trying to win the ring toss game, what is the ratio of tickets he has to tickets he's used?		
10)	A buffet offers ranch or caesar dressing. The ratio of ranch dressing used to caesar dressing used is 8 : 3. If the buffet uses 56 cases of ranch dressing, how many cases of caesar do they use?		

		Un	derstanding Rati	ios	Name:	
Solv	e each proble		U			Answers
	20	102	36	18	128	
	5:3	21	4	9:1	7:4	1
1)	-	nch break a deli sol as 3 : 1, how many s	-	f the ratio of large so old?	odas sold to small	2
2)		-		. If the ratio of regul amount of chocolat		4 5.
3)	1.	er played 99 games to games he won?	total. If he won 36	of the games, what	is the ratio of	6
4)		al, the ratio of peopl now many people w		g toss game to lost i	t was 7 : 5. If 28	7. 8.
5)				the ratio of raisin co ed amount of raisin a	okies sold to and oatmeal cookies	9 10
6)		the ratio of problem		ems total. If she finis complete to proble	shed 12 problems in ms that she's	
7)	-	the ratio of cats to ogs were sold?	dogs sold was 7 : 6	5. If there were 21 ca	its that were sold,	
8)			•	If the ratio of burger urgers did they sell t		
9)		Paul bought 30 tick tio of tickets he has		ekets trying to win th 1?	ne ring toss game,	
10)		is 8 : 3. If the buffe	-	of ranch dressing use ranch dressing, how		

	Understanding Ratios Name:	
Solv	e each problem.	Answers
1)	The ratio of white chocolate to dark chocolate sold at a candy shop was 9 : 1. If there were 72 bars of white chocolate sold, how many bars of dark chocolate were sold?	1
2)	A cafeteria sold 48 cartons of regular flavored milk. If the ratio of regular milk sold to chocolate milk sold was 6 : 5, what is the combined amount of chocolate and regular milk sold?	2 3
	5014.	4.
3)	For an art show, an artist painted 48 pictures. During the show he sold 18 of his pictures. What is the ratio of pictures he still has to pictures he sold?	5
		6.
4)	In one day a movie store rented out 32 comedies. If the ratio of comedies rented to action movies rented was 8 : 3, how many action movies were rented?	7.
5)	A teacher had 42 red pens. If the ratio of red pens to blue pens she owned was 7 : 1, how many pens did she have total?	8 9
6)	At a bake sale there were 52 items sold total. If 16 of the items sold were cookies and the rest were brownies what is the ratio of brownies sold to cookies sold?	10
7)	Mike was playing checkers with a friend. The ratio of games Mike won was 3 : 1. If Mike won 24 games, how many games did his friend win?	
8)	During a class election the ratio of students who voted for candidate A compared to candidate B was 9 : 7. If candidate A received 63 votes, what is the combined amount of votes candidate A and candidate B received?	
9)	At a carnival George bought 45 tickets. If he used 9 tickets trying to win the ring toss game, what is the ratio of tickets he has to tickets he's used?	
10)	A buffet offers ranch or caesar dressing. The ratio of ranch dressing used to caesar dressing used is 5 : 4. If the buffet uses 15 cases of ranch dressing, how many cases of caesar do they use?	

		SW	er Key
Solv	e each problem.		<u>Answers</u>
1)	The ratio of white chocolate to dark chocolate sold at a candy shop was 9 : 1. If there were 72 bars of white chocolate sold, how many bars of dark chocolate were sold?	1.	8
		2.	88
2)	A cafeteria sold 48 cartons of regular flavored milk. If the ratio of regular milk sold to chocolate milk sold was 6 : 5, what is the combined amount of chocolate and regular milk sold?	3.	5:3
		4.	12
3)	For an art show, an artist painted 48 pictures. During the show he sold 18 of his pictures. What is the ratio of pictures he still has to pictures he sold?	5.	48
		6.	9:4
4)	In one day a movie store rented out 32 comedies. If the ratio of comedies rented to action movies rented was 8 : 3, how many action movies were rented?	7.	8
		8.	112
5)	A teacher had 42 red pens. If the ratio of red pens to blue pens she owned was 7 : 1, how many pens did she have total?	9.	4:1
		10.	12
6)	At a bake sale there were 52 items sold total. If 16 of the items sold were cookies and the rest were brownies what is the ratio of brownies sold to cookies sold?	10.	
7)	Mike was playing checkers with a friend. The ratio of games Mike won was 3 : 1. If Mike won 24 games, how many games did his friend win?		
8)	During a class election the ratio of students who voted for candidate A compared to candidate B was 9 : 7. If candidate A received 63 votes, what is the combined amount of votes candidate A and candidate B received?		
9)	At a carnival George bought 45 tickets. If he used 9 tickets trying to win the ring toss game, what is the ratio of tickets he has to tickets he's used?		
10)	A buffet offers ranch or caesar dressing. The ratio of ranch dressing used to caesar dressing used is 5 : 4. If the buffet uses 15 cases of ranch dressing, how many cases of caesar do they use?		

		Un	derstanding Ration	OS	Name:	
Solv	e each probler		<u> </u>			Answers
\bigcap	112	88	4 : 1	9:4	12	
	8	48	8	5:3	12	1
1)			ark chocolate sold a how many bars of d	• •	9 : 1. If there were sold?	2 3
2)			gular flavored milk. nat is the combined	-		4 5
3)		· •	48 pictures. During till has to pictures h	-	18 of his pictures.	6
4)	•		out 32 comedies. If ny action movies w		es rented to action	7.
5)		42 red pens. If the dishe have total?	ratio of red pens to	blue pens she own	ed was 7 : 1, how	9. 10.
6)			ns sold total. If 16 o tio of brownies sold		re cookies and the	
7)		-	a friend. The ratio of did his friend win?	-	n was 3 : 1. If Mike	
8)	candidate B w		of students who vote te A received 63 vo B received?		-	
9)			ickets. If he used 9 he has to tickets he		n the ring toss	
10)		is 5 : 4. If the buffe	ressing. The ratio of et uses 15 cases of r	-		

	Understanding Ratios Name:	
<u>U</u> Solv	e each problem.	Answers
1)	The ratio of white chocolate to dark chocolate sold at a candy shop was 10 : 1. If there were 70 bars of white chocolate sold, how many bars of dark chocolate were sold?	1
2)	A parking lot has 12 empty space. If the ratio of empty spaces to taken spaces is 4 : 3, how many spaces are there total?	2 3
3)	A chess player played 91 games total. If he won 42 of the games, what is the ratio of games he lost to games he won?	4. 5.
4)	A vendor sold 27 hotdogs during a football game. If the ratio of hotdogs to hamburgers sold was 3 : 2, how many hamburgers did the vendor sell?	6 7
5)	A student finished 15 of her homework problems in class. If the ratio of problems she finished to problems she still had left was 5 : 3, how many homework problems did she have total?	8 9
6)	At a bake sale there were 117 items sold total. If 45 of the items sold were cookies and the rest were brownies what is the ratio of brownies sold to cookies sold?	10
7)	At summer camp the ratio of boys to girls was 9 : 8. If there were 36 boys, how many girls were there?	
8)	A small school has 35 boys. If the ratio of boys to girls is 7 : 5, how many, students are there total?	
9)	For homework, a student had to complete 117 problems total. If she finished 36 problems in class, what is the ratio of problems she still needs to complete to problems that she's already finished?	
10)	During a race Gwen jogged for 18 minutes. If the ratio of time she jogged to time she walked was 3 : 1, how many minutes did Gwen walk?	

	Understanding Ratios Name: A	nswe	r Key
Solv	e each problem.		Answers
1)	The ratio of white chocolate to dark chocolate sold at a candy shop was 10 : 1. If there were 70 bars of white chocolate sold, how many bars of dark chocolate were sold?	1.	7
•		2	21
2)	A parking lot has 12 empty space. If the ratio of empty spaces to taken spaces is 4 : 3, how many spaces are there total?	v 3	7:6
		4.	18
3)	A chess player played 91 games total. If he won 42 of the games, what is the ratio of games he lost to games he won?	5	24
		6.	8:5
4)	A vendor sold 27 hotdogs during a football game. If the ratio of hotdogs to hamburgers sold was 3 : 2, how many hamburgers did the vendor sell?	7.	32
		0	60
5)	A student finished 15 of her homework problems in class. If the ratio of problems she finished to problems she still had left was 5 : 3, how many homework problems did she	^{8.} –	9:4
	have total?		6
6)	At a bake sale there were 117 items sold total. If 45 of the items sold were cookies and the rest were brownies what is the ratio of brownies sold to cookies sold?	e 10	0
7)	At summer camp the ratio of boys to girls was 9 : 8. If there were 36 boys, how many girls were there?	s	
8)	A small school has 35 boys. If the ratio of boys to girls is 7 : 5, how many, students are there total?		
9)	For homework, a student had to complete 117 problems total. If she finished 36 problems in class, what is the ratio of problems she still needs to complete to problems that she's already finished?		
10)	During a race Gwen jogged for 18 minutes. If the ratio of time she jogged to time she walked was 3 : 1, how many minutes did Gwen walk?		

		TT					
 Solv	e each proble		derstanding Rat	10S	Name:	Answers	
	6	60	32	9:4	7:6	Answers	-
	18	21	24	7	8:5	1	
1)				at a candy shop was rs of dark chocolate		2	
2)		has 12 empty space are there total?	e. If the ratio of em	pty spaces to taken s	paces is 4 : 3, how	4	
3)		er played 91 games to games he won?	total. If he won 42	of the games, what i	s the ratio of	6	
4)		d 27 hotdogs during 2, how many hambu		f the ratio of hotdogs or sell?	to hamburgers	7.	
5)			-	a class. If the ratio of w many homework pr	- I	9 10	
6)		e there were 117 iter wnies what is the ra		of the items sold we d to cookies sold?	ere cookies and the		
7)	At summer ca were there?	amp the ratio of boy	s to girls was 9 : 8	. If there were 36 boy	ys, how many girls		
8)	A small schoothere total?	ol has 35 boys. If th	e ratio of boys to g	girls is 7 : 5, how man	ny, students are		
9)		is the ratio of probl		lems total. If she fini s to complete to prob	-		
10)	-	Gwen jogged for 1 : 1, how many min		atio of time she jogge lk?	ed to time she		

	Understanding Ratios Name:	
<u> </u>	e each problem.	Answers
1)	The ratio of red cars to blue cars in a parking lot was 7 : 3. If there were 63 red cars, how many blue cars were there?	1
2)	A small school has 30 boys. If the ratio of boys to girls is 6 : 5, how many, students are there total?	2 3
3)	Billy had 33 songs on his MP3 player. If he deleted 9 songs, what is the ratio of songs he kept to songs he deleted?	4 5
4)	A recipe called for the ratio of sugar to flour to be 5 : 2. If you used 20 ounce of sugar, how many ounces of flour would you need to use?	6. 7.
5)	A produce store sold 30 red apples. If the ratio of red apples to green apples sold was 5 : 1, what is the combined amount of red and green apples sold?	8. 9.
6)	A box of candy has 91 pieces total. If 21 of the pieces are cherry flavored, what is the ratio of other flavors to cherry flavored pieces?	10
7)	At the carnival, the ratio of people who won the ring toss game to lost it was 7 : 2. If 42 people won, how many people would have lost?	
8)	A parking lot has 16 empty space. If the ratio of empty spaces to taken spaces is 8 : 1, how many spaces are there total?	
9)	During a class election 35 people voted for candidate A. If there were 98 votes total, what is the ratio of votes for candidate B compared to candidate A?	
10)	During the lunch break a deli sold 12 large sodas. If the ratio of large sodas sold to small sodas sold was 4 : 3, how many small sodas were sold?	
		1

	Understanding Ratios Name: A	nswer Ke	y
Solv	e each problem.	Ansv	
1)	The ratio of red cars to blue cars in a parking lot was 7 : 3. If there were 63 red cars, how many blue cars were there?	1. 2'	
2)	A small school has 30 boys. If the ratio of boys to girls is 6 : 5, how many, students are	25	5
2)	there total?	3. 8:	
3)	Billy had 33 songs on his MP3 player. If he deleted 9 songs, what is the ratio of songs he kept to songs he deleted?	48 53	
4)	A recipe called for the ratio of sugar to flour to be 5 : 2. If you used 20 ounce of sugar, how many ounces of flour would you need to use?	6. <u>10</u> 7. <u>1</u> 2	: 3 2
		8. 18	8
5)	A produce store sold 30 red apples. If the ratio of red apples to green apples sold was 5 : 1, what is the combined amount of red and green apples sold?	, 9. 9 :	5
6)	A box of candy has 91 pieces total. If 21 of the pieces are cherry flavored, what is the ratio of other flavors to cherry flavored pieces?	10. <u>9</u>)
7)	At the carnival, the ratio of people who won the ring toss game to lost it was 7 : 2. If 42 people won, how many people would have lost?		
8)	A parking lot has 16 empty space. If the ratio of empty spaces to taken spaces is 8 : 1, how many spaces are there total?	,	
9)	During a class election 35 people voted for candidate A. If there were 98 votes total, what is the ratio of votes for candidate B compared to candidate A?		
10)	During the lunch break a deli sold 12 large sodas. If the ratio of large sodas sold to small sodas sold was 4 : 3, how many small sodas were sold?		

		Und	erstanding Rat	ios	Name:	
Solv	e each problen					Answers
\square	8	12	55	8:3	18	
	9	10:3	36	9:5	27	1
1)	The ratio of re many blue car		n a parking lot wa	as 7 : 3. If there were	e 63 red cars, how	2
2)	A small school there total?	l has 30 boys. If the	ratio of boys to g	girls is 6 : 5, how ma	any, students are	4
3)	Billy had 33 so kept to songs h	•	ayer. If he deleted	19 songs, what is the	e ratio of songs he	5. 6.
4)	-	l for the ratio of sug		5 : 2. If you used 20	ounce of sugar,	7. 8.
5)	-	re sold 30 red apples nbined amount of re		ed apples to green ap les sold?	oples sold was 5 : 1,	9 10
6)		y has 91 pieces total s to cherry flavored		ces are cherry flavor	ed, what is the ratio	
7)		l, the ratio of people ow many people wo		ig toss game to lost i	t was 7 : 2. If 42	
8)	A parking lot l many spaces a		If the ratio of en	pty spaces to taken	spaces is 8 : 1, how	
9)	-	election 35 people votes for candidate I		nte A. If there were 9 ndidate A?	98 votes total, what	
10)	-	ch break a deli sold s 4 : 3, how many sr	-	f the ratio of large so old?	odas sold to small	

	e each problem. Understanding Ratios Name:	A m a m a m a
1)	The ratio of white chocolate to dark chocolate sold at a candy shop was 5 : 2. If there w 10 bars of white chocolate sold, how many bars of dark chocolate were sold?	vere 1
2)	At a restaurant the ratio of kids meals sold to adult meals sold was 4 : 1. If there were 3 kids meals sold, what is the combined amount of kids and adult meals sold?	2 2 3
3)	A parking lot has 18 spaces total. If 8 of the spaces have cars in them, what is the ratio empty spaces to filled spaces?	of 4
4)	At a restaurant the ratio of kids meals sold to adult meals sold was 10 : 7. If there were kids meals sold, how many adult meals were sold?	40 6
5)	A pet store sold 81 siamese cats. If the ratio of siamese cats to house cats sold was 9 : 4 what is the combined amount of cats sold?	., 8 9
6)	For an art show, an artist painted 55 pictures. During the show he sold 20 of his picture What is the ratio of pictures he still has to pictures he sold?	s.
7)	The ratio of red cars to blue cars in a parking lot was 7 : 2. If there were 21 red cars, ho many blue cars were there?	W
8)	A farm had 50 cows. If the ratio of cows to horses was 10 : 3, what is the combined amount of cows and horses?	
9)	A small school has 40 students. If 16 of the students are boys, what is the ratio of girls boys?	to
10)	A buffet offers ranch or caesar dressing. The ratio of ranch dressing used to caesar dressing used is 7 : 6. If the buffet uses 28 cases of ranch dressing, how many cases of caesar do they use?	

	Understanding Ratios Name: An e each problem.	nswer Key
1)	The ratio of white chocolate to dark chocolate sold at a candy shop was 5 : 2. If there were 10 bars of white chocolate sold, how many bars of dark chocolate were sold?	Answers 14
2)	At a restaurant the ratio of kids meals sold to adult meals sold was 4 : 1. If there were 32 kids meals sold, what is the combined amount of kids and adult meals sold?	2. <u>40</u> 3. 5 : 4
3)	A parking lot has 18 spaces total. If 8 of the spaces have cars in them, what is the ratio of	4. 28
5)	empty spaces to filled spaces?	5. 117 6. 7:4
4)	At a restaurant the ratio of kids meals sold to adult meals sold was 10 : 7. If there were 40 kids meals sold, how many adult meals were sold?	7. <u>6</u>
5)	A pet store sold 81 siamese cats. If the ratio of siamese cats to house cats sold was 9 : 4, what is the combined amount of cats sold?	8. 65 9. 3:2
6)	For an art show, an artist painted 55 pictures. During the show he sold 20 of his pictures. What is the ratio of pictures he still has to pictures he sold?	10. 24
7)	The ratio of red cars to blue cars in a parking lot was 7 : 2. If there were 21 red cars, how many blue cars were there?	
8)	A farm had 50 cows. If the ratio of cows to horses was 10 : 3, what is the combined amount of cows and horses?	
9)	A small school has 40 students. If 16 of the students are boys, what is the ratio of girls to boys?	
10)	A buffet offers ranch or caesar dressing. The ratio of ranch dressing used to caesar dressing used is 7 : 6. If the buffet uses 28 cases of ranch dressing, how many cases of caesar do they use?	

		Une	derstanding Ratio	os	Name:	
Solv	e each proble	n.				Answers
\square	5:4	6	7:4	28	3:2	
	40	24	117	4	65	1
1)			ark chocolate sold at now many bars of da	• 1	s 5 : 2. If there were e sold?	2 3
2)			neals sold to adult m bined amount of kids			4
3)		has 18 spaces total. to filled spaces?	If 8 of the spaces have	ave cars in them, v	what is the ratio of	5. 6.
4)		nt the ratio of kids m ld, how many adult	neals sold to adult m meals were sold?	eals sold was 10 :	7. If there were 40	7. 8.
5)	-	ld 81 siamese cats. Id 81 siamese cats.	If the ratio of siame cats sold?	se cats to house ca	ats sold was 9 : 4,	9. 10.
6)		-	55 pictures. During ill has to pictures he		20 of his pictures.	
7)		ed cars to blue cars rs were there?	in a parking lot was	7 : 2. If there wer	e 21 red cars, how	
8)		0 cows. If the ratio ows and horses?	of cows to horses wa	as 10 : 3, what is t	he combined	
9)	A small schood boys?	ol has 40 students. I	f 16 of the students a	are boys, what is t	he ratio of girls to	
10)		is 7 : 6. If the buffe	essing. The ratio of t uses 28 cases of ra	-		

	Understanding Ratios Name:	
Solv	Answers	
1)	During a class election 16 students voted for candidate A. If the ratio of votes for candidate A to the votes for candidate B was 4 : 1, how many votes did candidate B receive?	1.
2)	While completing a race, Ned spent 42 minutes walking. If his ratio of time walking to jogging was 6 : 5, how many minutes did he spend completing the race?	2 3
3)	For an art show, an artist painted 75 pictures. During the show he sold 35 of his pictures. What is the ratio of pictures he still has to pictures he sold?	4. 5.
4)	The ratio of red cars to blue cars in a parking lot was 7 : 3. If there were 28 red cars, how many blue cars were there?	6.
5)	Jerry deleted 45 songs from his MP3 player. If the ratio of songs he deleted to songs he kept was 5 : 4, how many songs did he originally have on his MP3 player?	8. 9.
6)	A parking lot has 66 spaces total. If 12 of the spaces have cars in them, what is the ratio of empty spaces to filled spaces?	10
7)	Tom was playing checkers with a friend. The ratio of games Tom won was 9 : 1. If Tom won 72 games, how many games did his friend win?	
8)	A farm had 6 cows. If the ratio of cows to horses was 3 : 1, what is the combined amount of cows and horses?	
9)	Dave had 39 songs on his MP3 player. If he deleted 15 songs, what is the ratio of songs he kept to songs he deleted?	
10)	At a restaurant the ratio of kids meals sold to adult meals sold was 10 : 7. If there were 30 kids meals sold, how many adult meals were sold?	

	Understanding Ratios Name: A	nswer Key
Solv	e each problem.	Answers
1)	During a class election 16 students voted for candidate A. If the ratio of votes for candidate A to the votes for candidate B was 4 : 1, how many votes did candidate B receive?	14
2)	While completing a race, Ned spent 42 minutes walking. If his ratio of time walking to jogging was 6 : 5, how many minutes did he spend completing the race?	2. 77 3. 8:7
3)	For an art show, an artist painted 75 pictures. During the show he sold 35 of his pictures. What is the ratio of pictures he still has to pictures he sold?	4. <u>12</u> 5. <u>81</u>
4)	The ratio of red cars to blue cars in a parking lot was 7 : 3. If there were 28 red cars, how many blue cars were there?	6. 9:2 7. 8
5)	Jerry deleted 45 songs from his MP3 player. If the ratio of songs he deleted to songs he kept was 5 : 4, how many songs did he originally have on his MP3 player?	8. 8 9. 8:5
6)	A parking lot has 66 spaces total. If 12 of the spaces have cars in them, what is the ratio of empty spaces to filled spaces?	10. 21
7)	Tom was playing checkers with a friend. The ratio of games Tom won was 9 : 1. If Tom won 72 games, how many games did his friend win?	
8)	A farm had 6 cows. If the ratio of cows to horses was 3 : 1, what is the combined amount of cows and horses?	
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		Und	lerstanding Rat	ios	Name:		
Understanding Ratios Name: Solve each problem. Image: Constraint of the second							Answers
\bigcap	8	8:7	8	8:5	9:2		
	4	77	21	12	81	1	
1)				date A. If the ratio of how many votes did		2 3.	
2)	-	0 1		lking. If his ratio of t completing the race?	0	4	
3)		ow, an artist painted ' atio of pictures he sti	-	ng the show he sold 3 he sold?	5 of his pictures.	5 6	
4)		ed cars to blue cars i rs were there?	n a parking lot w	as 7 : 3. If there were	28 red cars, how	7 8	
5)	•	U		ratio of songs he dele ave on his MP3 playe	U	9	
6)		has 66 spaces total. to filled spaces?	If 12 of the space	es have cars in them,	what is the ratio of		
7)		ying checkers with a es, how many games		of games Tom won v 1?	vas 9 : 1. If Tom		
8)	A farm had 6 of cows and l		cows to horses w	vas 3 : 1, what is the c	combined amount		
9)	Dave had 39 kept to songs	•	ayer. If he deleted	d 15 songs, what is th	e ratio of songs he		
10)		nt the ratio of kids m ld, how many adult r		meals sold was 10 : 7	7. If there were 30		

	Ludensten dine Deties		
<u>U</u> Solv	e each problem.		Angward
1)	At a restaurant the ratio of kids meals sold to adult meals sold was 9 : 2. If there were 45 kids meals sold, how many adult meals were sold?	1.	Answers
2)	At a bake sale there were 16 raisin cookies sold. If the ratio of raisin cookies sold to oatmeal cookies sold was 8 : 5, what is the combined amount of raisin and oatmeal cookies sold?	2. 3.	
3)	Victor had 85 dollars. If he spent 35 dollars on new books, what is the ratio of money he still has to money he's spent?	4. 5.	
4)	A classroom had 42 glue sticks. If the ratio of glue sticks to glue bottles was 6 : 1, how many glue bottles did the classroom have?	6. 7.	
5)	During a class election the ratio of students who voted for candidate A compared to candidate B was 5 : 3. If candidate A received 35 votes, what is the combined amount of votes candidate A and candidate B received?	8 9	
6)	A restaurant offers diet soda and regular soda. In one day they sold 91 sodas. If 42 of the sodas they sold were diet, what is the ratio of regular sodas sold to diet sodas sold?	10.	
7)	During Christmas a book store sold 50 books. If the ratio of books to bookmarks sold was 10 : 3, how many bookmarks did the store sell?		
8)	While completing a race, Henry spent 72 minutes walking. If his ratio of time walking to jogging was 8 : 3, how many minutes did he spend completing the race?		
9)	During a period of 24 minutes, a music station played 4 minutes of commercials. What is the ratio of music they played to commercials they played?		
10)	At a farm the ratio of cows to horses was 6 : 5. If there were 36 cows at the farm, how many horses were there?		

	Understanding Ratios Name: An	swe	r Key
Solv	e each problem.		Answers
1)	At a restaurant the ratio of kids meals sold to adult meals sold was 9 : 2. If there were 45 kids meals sold, how many adult meals were sold?	1	10
		2	26
2)	At a bake sale there were 16 raisin cookies sold. If the ratio of raisin cookies sold to oatmeal cookies sold was 8 : 5, what is the combined amount of raisin and oatmeal cookies sold?	3	10:7
	sold?		7
3)	Victor had 85 dollars. If he spent 35 dollars on new books, what is the ratio of money he still has to money he's spent?	5	56
		6.	7:6
4)	A classroom had 42 glue sticks. If the ratio of glue sticks to glue bottles was 6 : 1, how many glue bottles did the classroom have?	7	15
		8	99
5)	During a class election the ratio of students who voted for candidate A compared to candidate B was 5 : 3. If candidate A received 35 votes, what is the combined amount of	9.	5:1
	votes candidate A and candidate B received?	10.	30
6)	A restaurant offers diet soda and regular soda. In one day they sold 91 sodas. If 42 of the sodas they sold were diet, what is the ratio of regular sodas sold to diet sodas sold?		
7)	During Christmas a book store sold 50 books. If the ratio of books to bookmarks sold was 10 : 3, how many bookmarks did the store sell?		
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10)	At a farm the ratio of cows to horses was 6 : 5. If there were 36 cows at the farm, how many horses were there?		

		Und	erstanding Rat	ios	Name:		
Solve each problem. Answers							
	10:7 15	7:6 26	30 56	5 : 1 7	10 99	1.	
1)	At a restaurant	t the ratio of kids me d, how many adult n		meals sold was 9 : 2	. If there were 45	2	
2)				the ratio of raisin co ed amount of raisin a		4 5.	
3)	Victor had 85 of still has to more	-	35 dollars on new	books, what is the r	atio of money he	6 7.	
4)	A classroom had 42 glue sticks. If the ratio of glue sticks to glue bottles was 6 : 1, how many glue bottles did the classroom have?						
5)	candidate B wa		A received 35 v	ted for candidate A otes, what is the con	-	9. – 10. –	
6)			-	ne day they sold 91 s ar sodas sold to diet			
7)	-	nas a book store sol my bookmarks did t		e ratio of books to bo	ookmarks sold was		
8)	-			valking. If his ratio c completing the race	-		
9)	• •	d of 24 minutes, a n sic they played to c		ed 4 minutes of com played?	mercials. What is		
10)	At a farm the r many horses w		es was 6 : 5. If th	ere were 36 cows at	the farm, how		

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