Using Double Numberlines for Ratios

Name:

Use the double numberline to solve the problems.

1) A box of candy had 7 cherry pieces for every 5 lemon pieces. If the box had 30 lemon pieces, how many cherry pieces would there be?

lemon

cherry

2) On her MP3 player for every 10 pop song %GIRL had she also had 9 country song. If she has 30 pop songs on her MP3 player, how many country songs does she have?

pop

country

3) The ratio of boys to girls at the park was 7 to 6. If there were 35 boys, how many girls were there?

boys

girls

4) For every 3 cans %BOY collected for recycling he earned 9 cents. After he collected 15 cans, how much money would he have earned?

cans

money

5) A sloppy joe restaurant gave 7 napkins for every 9 items ordered. If someone bought 36 items, how many napkins should they get?

item

napkins

6) A recipe call for 8 teaspoons of seasoning for every 5 batches of chicken. If you have 35 batches of chicken, how many teaspoons of seasoning will you need?

chicken

seasoning

7) A builder could get 8 sheets of sheetrock for $5. If he bought 80 sheets, how much money would he have spent?

sheetrock

price

8) A movie theater put 9 cups of oil for every 7 batches of popcorn they made. After they had made 70 batches of popcorn, how much oil would they have used?

popcorn

oil

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____
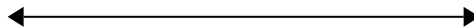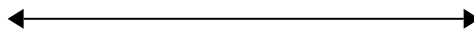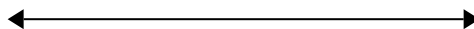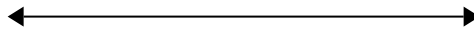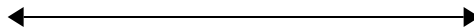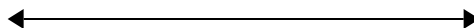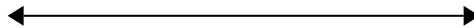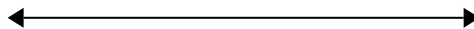
Use the double numberline to solve the problems.

1) A box of candy had 7 cherry pieces for every 5 lemon pieces. If the box had 30 lemon pieces, how many cherry pieces would there be?

lemon	0	5	10	15	20	25	30
cherry	0	7	14	21	28	35	42

1. **42**

2) On her MP3 player for every 10 pop song %GIRL had she also had 9 country song. If she has 30 pop songs on her MP3 player, how many country songs does she have?

pop	0	10	20	30
country	0	9	18	27

2. **27**

3) The ratio of boys to girls at the park was 7 to 6. If there were 35 boys, how many girls were there?

boys	0	7	14	21	28	35
girls	0	6	12	18	24	30

3. **30**

4) For every 3 cans %BOY collected for recycling he earned 9 cents. After he collected 15 cans, how much money would he have earned?

cans	0	3	6	9	12	15
money	0	9	18	27	36	45

4. **45**

5) A sloppy joe restaurant gave 7 napkins for every 9 items ordered. If someone bought 36 items, how many napkins should they get?

item	0	9	18	27	36
napkins	0	7	14	21	28

5. **28**

6) A recipe call for 8 teaspoons of seasoning for every 5 batches of chicken. If you have 35 batches of chicken, how many teaspoons of seasoning will you need?

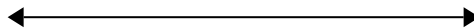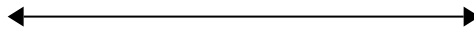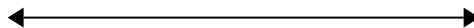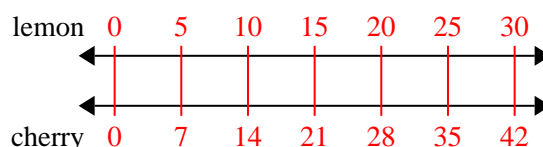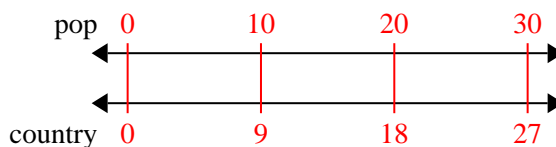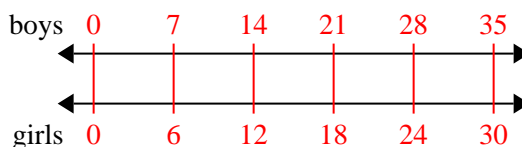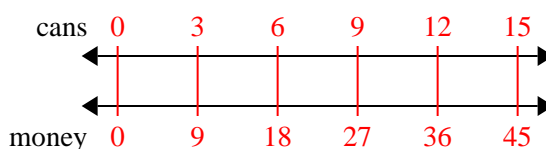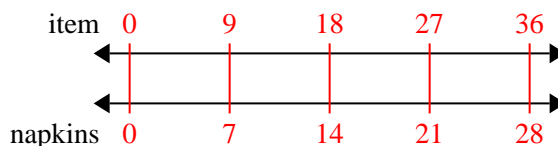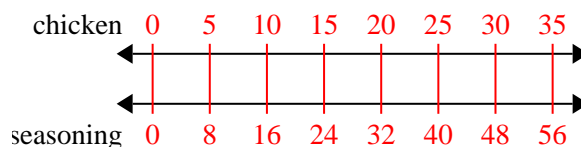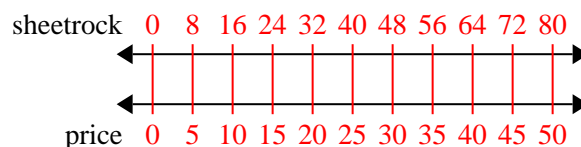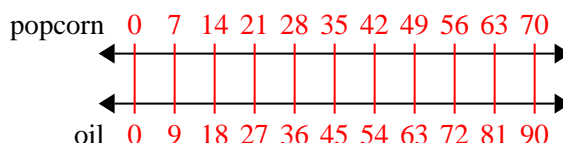| chicken	0	5	10	15	20	25	30	35
seasoning	0	8	16	24	32	40	48	56

6. **56**

7) A builder could get 8 sheets of sheetrock for $5. If he bought 80 sheets, how much money would he have spent?

sheetrock	0	8	16	24	32	40	48	56	64	72	80
price	0	5	10	15	20	25	30	35	40	45	50

7. **50**

8) A movie theater put 9 cups of oil for every 7 batches of popcorn they made. After they had made 70 batches of popcorn, how much oil would they have used?

popcorn	0	7	14	21	28	35	42	49	56	63	70
oil	0	9	18	27	36	45	54	63	72	81	90

8. **90**