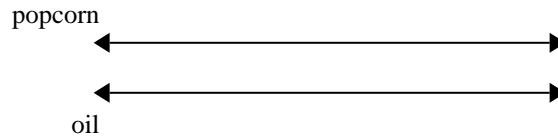




Use the double numberline to solve the problems.

Answers

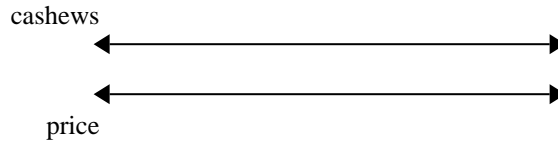
- 1) A movie theater put 4 cups of oil for every 2 batches of popcorn they made. After they had made 6 batches of popcorn, how much oil would they have used?



1. _____

2. _____

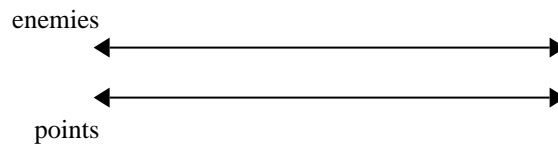
- 2) A store had a sale where you could get 6 bags of cashews for \$8. If you wanted to buy 60 bags, how much would it cost?



3. _____

4. _____

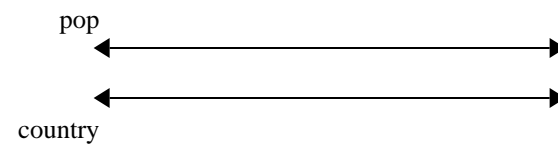
- 3) In a video game for every 7 enemies defeat, you earned 6 points. If you defeated 14 enemies, how many points would you have earned?



5. _____

6. _____

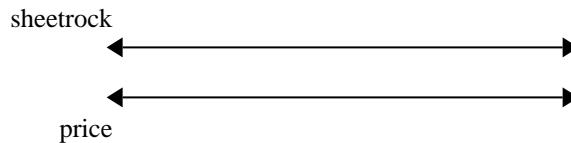
- 4) On her MP3 player for every 8 pop song Maria had she also had 10 country song. If she has 24 pop songs on her MP3 player, how many country songs does she have?



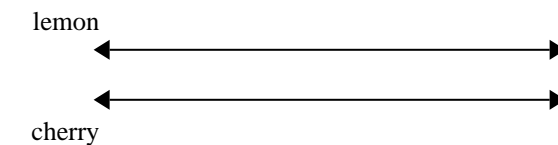
7. _____

8. _____

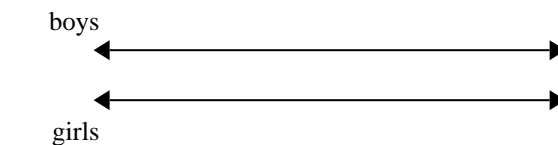
- 5) A builder could get 3 sheets of sheetrock for \$2. If he bought 15 sheets, how much money would he have spent?



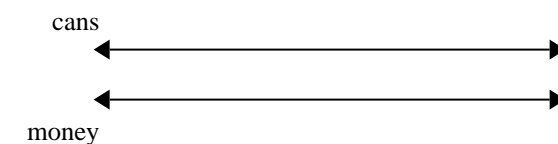
- 6) A box of candy had 8 cherry pieces for every 3 lemon pieces. If the box had 30 lemon pieces, how many cherry pieces would there be?



- 7) The ratio of boys to girls at the park was 3 to 2. If there were 21 boys, how many girls were there?



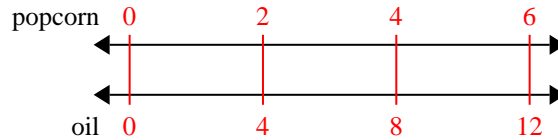
- 8) For every 7 cans Luke collected for recycling he earned 10 cents. After he collected 21 cans, how much money would he have earned?



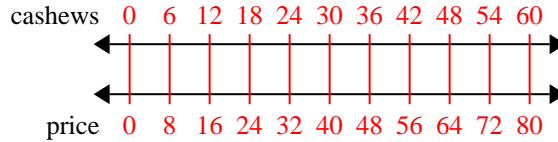


Use the double numberline to solve the problems.

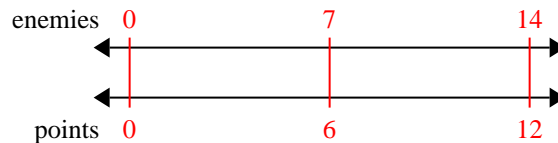
- 1) A movie theater put 4 cups of oil for every 2 batches of popcorn they made. After they had made 6 batches of popcorn, how much oil would they have used?



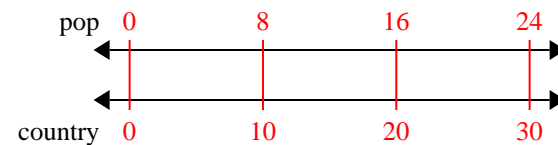
- 2) A store had a sale where you could get 6 bags of cashews for \$8. If you wanted to buy 60 bags, how much would it cost?



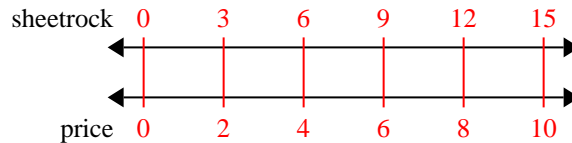
- 3) In a video game for every 7 enemies defeat, you earned 6 points. If you defeated 14 enemies, how many points would you have earned?



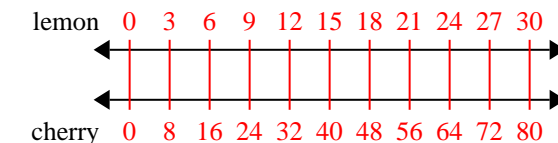
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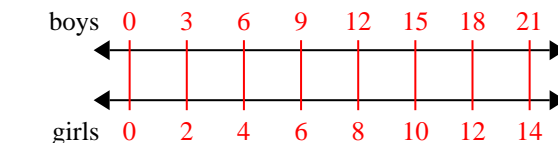
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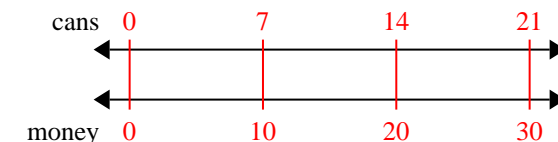
- 6) A box of candy had 8 cherry pieces for every 3 lemon pieces. If the box had 30 lemon pieces, how many cherry pieces would there be?



- 7) The ratio of boys to girls at the park was 3 to 2. If there were 21 boys, how many girls were there?



- 8) For every 7 cans Luke collected for recycling he earned 10 cents. After he collected 21 cans, how much money would he have earned?

Answers

1. 12
2. 80
3. 12
4. 30
5. 10
6. 80
7. 14
8. 30



Solve each problem.

Answers

- 1) On *Monday* the price for bottled water was 5 bottles for \$10.90. On *Saturday* the price was 4 bottles for \$8.56. Which day had the higher unit price?
- 2) At a candy store you could get 3 giant lollipops for \$8.94. How much would it cost to buy 6 lollipops?
- 3) At a farming supply store 7 pounds of seed cost \$185.08. If a farmer needed 3 pounds of seeds, how much would it cost him?
- 4) In *September* a clothing store had a sale where you could get 7 scarves for \$30.10. In *October* the price was changed to 3 scarves for \$12.99. On which month did a scarf cost the most?
- 5) A store had 3 *blue* chairs for \$39.96 or 7 *red* chairs for \$93.59. Which color chair has a lower unit price?
- 6) An ice company charged \$1.40 for 5 bags of ice. If a convenience store bought 7 bags of ice, how much would it have cost them?
- 7) At the *toy store* you could get 3 board games for \$26.79. *Online* the price for 4 board games is \$35.92. Which place has the highest price for a board game?
- 8) At a restaurant 4 *hotdogs* cost \$9.68 and 5 *hamburgers* cost \$11.75. Which food has the lower unit price?
- 9) A shoe store was having a back to school sale where you could buy 7 pairs of shoes for \$71.54. If a large family decided to buy 4 pairs of shoes, how much would it cost them?
- 10) A video game store was getting rid of old games, selling them 7 for \$134.19. If they sold 5 games, how much money would they have made?

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

**Solve each problem.**

- 1) On *Monday* the price for bottled water was 5 bottles for \$10.90. On *Saturday* the price was 4 bottles for \$8.56. Which day had the higher unit price?
Monday = \$2.18 , Saturday = \$2.14
- 2) At a candy store you could get 3 giant lollipops for \$8.94. How much would it cost to buy 6 lollipops?
1 lollipop = \$2.98
- 3) At a farming supply store 7 pounds of seed cost \$185.08. If a farmer needed 3 pounds of seeds, how much would it cost him?
1 pound = \$26.44
- 4) In *September* a clothing store had a sale where you could get 7 scarves for \$30.10. In *October* the price was changed to 3 scarves for \$12.99. On which month did a scarf cost the most?
September = \$4.30 , October = \$4.33
- 5) A store had 3 *blue* chairs for \$39.96 or 7 *red* chairs for \$93.59. Which color chair has a lower unit price?
blue = \$13.32 , red = \$13.37
- 6) An ice company charged \$1.40 for 5 bags of ice. If a convenience store bought 7 bags of ice, how much would it have cost them?
1 bag = \$0.28
- 7) At the *toy store* you could get 3 board games for \$26.79. *Online* the price for 4 board games is \$35.92. Which place has the highest price for a board game?
toy store = \$8.93 , online = \$8.98
- 8) At a restaurant 4 *hotdogs* cost \$9.68 and 5 *hamburgers* cost \$11.75. Which food has the lower unit price?
hotdog = \$2.42 , hamburger = \$2.35
- 9) A shoe store was having a back to school sale where you could buy 7 pairs of shoes for \$71.54. If a large family decided to buy 4 pairs of shoes, how much would it cost them?
1 pair = \$10.22
- 10) A video game store was getting rid of old games, selling them 7 for \$134.19. If they sold 5 games, how much money would they have made?
1 game = \$19.17

Answers1. **Monday**2. **\$17.88**3. **\$79.32**4. **October**5. **blue**6. **\$1.96**7. **online**8. **hamburger**9. **\$40.88**10. **\$95.85**

**Solve each problem.****Answers**

- 1) The ratio of white chocolate to dark chocolate sold at a candy shop was 5 : 4. If there were 35 bars of white chocolate sold, how many bars of dark chocolate were sold?
- 2) A produce store sold 45 red apples. If the ratio of red apples to green apples sold was 5 : 2, what is the combined amount of red and green apples sold?
- 3) A fast food restaurant sells two sizes of fries, small and large. On Friday they sold 81 fries total. If 9 of the fries sold were small, what is the ratio of large fries sold to small fries sold?
- 4) At a pet store the ratio of cats to dogs sold was 2 : 1. If there were 16 cats that were sold, how many dogs were sold?
- 5) During a class election the ratio of students who voted for candidate A compared to candidate B was 7 : 4. If candidate A received 21 votes, what is the combined amount of votes candidate A and candidate B received?
- 6) A video game had 35 levels in it. If you beat 5 of the levels, what is the ratio of levels left to the levels that have been beaten?
- 7) Dave was playing checkers with a friend. The ratio of games Dave won was 7 : 2. If Dave won 35 games, how many games did his friend win?
- 8) A chess player won 72 of the games he played. If his ratio of wins to loses was 9 : 4, how many games did he play total?
- 9) A small school has 55 students. If 10 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 : 1. If the buffet uses 28 cases of ranch dressing, how many cases of caesar do they use?

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

**Solve each problem.**

- 1) The ratio of white chocolate to dark chocolate sold at a candy shop was 5 : 4. If there were 35 bars of white chocolate sold, how many bars of dark chocolate were sold?
- 2) A produce store sold 45 red apples. If the ratio of red apples to green apples sold was 5 : 2, what is the combined amount of red and green apples sold?
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- 10) A buffet offers ranch or caesar dressing. The ratio of ranch dressing used to caesar dressing used is 7 : 1. If the buffet uses 28 cases of ranch dressing, how many cases of caesar do they use?

Answers

1. 28
2. 63
3. 8 : 1
4. 8
5. 33
6. 6 : 1
7. 10
8. 104
9. 9 : 2
10. 4



Reduce each ratio to its lowest form.

Ex) 72 : 56 9 : 7

1) 16 : 56 _____

2) 21 : 56 _____

3) 10 : 30 _____

4) 63 : 90 _____

5) 20 : 5 _____

6) 72 : 9 _____

7) 20 : 45 _____

8) 15 : 50 _____

9) 28 : 49 _____

10) 10 : 20 _____

11) 2 : 20 _____

12) 10 : 50 _____

13) 36 : 4 _____

14) 70 : 30 _____

15) 14 : 21 _____

16) 6 : 15 _____

17) 20 : 15 _____

18) 50 : 40 _____

19) 63 : 45 _____

20) 30 : 54 _____

Answers

Ex. 9 : 7

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____



Reduce each ratio to its lowest form.

Ex) $72 : 56$ $9 : 7$

1) $16 : 56$ $2 : 7$

2) $21 : 56$ $3 : 8$

3) $10 : 30$ $1 : 3$

4) $63 : 90$ $7 : 10$

5) $20 : 5$ $4 : 1$

6) $72 : 9$ $8 : 1$

7) $20 : 45$ $4 : 9$

8) $15 : 50$ $3 : 10$

9) $28 : 49$ $4 : 7$

10) $10 : 20$ $1 : 2$

11) $2 : 20$ $1 : 10$

12) $10 : 50$ $1 : 5$

13) $36 : 4$ $9 : 1$

14) $70 : 30$ $7 : 3$

15) $14 : 21$ $2 : 3$

16) $6 : 15$ $2 : 5$

17) $20 : 15$ $4 : 3$

18) $50 : 40$ $5 : 4$

19) $63 : 45$ $7 : 5$

20) $30 : 54$ $5 : 9$

Answers

Ex. $9 : 7$

1. $2 : 7$

2. $3 : 8$

3. $1 : 3$

4. $7 : 10$

5. $4 : 1$

6. $8 : 1$

7. $4 : 9$

8. $3 : 10$

9. $4 : 7$

10. $1 : 2$

11. $1 : 10$

12. $1 : 5$

13. $9 : 1$

14. $7 : 3$

15. $2 : 3$

16. $2 : 5$

17. $4 : 3$

18. $5 : 4$

19. $7 : 5$

20. $5 : 9$