

Equivalent Ratios (A)

Fill in the blanks to make equivalent ratios.

1. $24 : 56 = 3 : \underline{\hspace{1cm}}$

2. $44 : 20 = \underline{\hspace{1cm}} : 5$

3. $40 : 25 = 8 : \underline{\hspace{1cm}}$

4. $4 : \underline{\hspace{1cm}} = 20 : 15$

5. $5 : 9 = \underline{\hspace{1cm}} : 72$

6. $\underline{\hspace{1cm}} : 8 = 5 : 2$

7. $\underline{\hspace{1cm}} : 9 = 21 : 27$

8. $\underline{\hspace{1cm}} : 9 = 8 : 72$

9. $6 : 1 = 12 : \underline{\hspace{1cm}}$

10. $49 : \underline{\hspace{1cm}} = 7 : 12$

11. $\underline{\hspace{1cm}} : 5 = 72 : 30$

12. $5 : \underline{\hspace{1cm}} = 1 : 7$

13. $5 : \underline{\hspace{1cm}} = 20 : 16$

14. $2 : 9 = 12 : \underline{\hspace{1cm}}$

15. $\underline{\hspace{1cm}} : 1 = 30 : 3$

16. $\underline{\hspace{1cm}} : 5 = 21 : 35$

17. $21 : \underline{\hspace{1cm}} = 7 : 2$

18. $\underline{\hspace{1cm}} : 1 = 35 : 7$

19. $5 : \underline{\hspace{1cm}} = 35 : 42$

20. $55 : 60 = \underline{\hspace{1cm}} : 12$

Name : _____

Score : _____

Teacher : _____

Date : _____

Equivalent Ratios

Write two equivalent ratios.

1)

11		
7		

2)

9		
7		

3)

2		
5		

4)

12		
11		

5)

5		
3		

6)

10		
11		

Determine whether the ratios are equivalent.

7) $\frac{8}{5}$ and $\frac{24}{15}$ _____

8) $\frac{12}{7}$ and $\frac{84}{49}$ _____

9) $\frac{5}{4}$ and $\frac{25}{20}$ _____

10) $\frac{8}{11}$ and $\frac{40}{55}$ _____

11) $\frac{9}{11}$ and $\frac{5}{7}$ _____

12) $\frac{12}{5}$ and $\frac{2}{11}$ _____

Use equivalent ratios to find the unknown value.

13) $\frac{44}{n} = \frac{11}{3}$ n = _____

14) $\frac{z}{20} = \frac{7}{4}$ z = _____

15) $\frac{49}{n} = \frac{7}{12}$ n = _____

16) $\frac{11}{4} = \frac{33}{c}$ c = _____

17) $\frac{9}{5} = \frac{h}{15}$ h = _____

18) $\frac{z}{60} = \frac{3}{10}$ z = _____

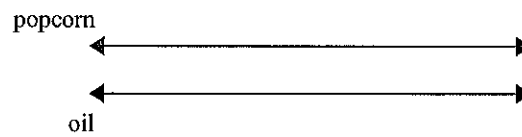




Use the double numberline to solve the problems.

Answers

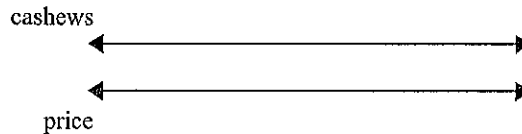
- 1) A movie theater put 4 cups of oil for every 2 batches of popcorn they made. After they had made 6 batches of popcorn, how much oil would they have used?



1. _____

2. _____

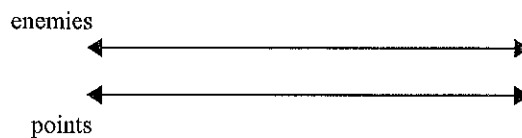
- 2) A store had a sale where you could get 6 bags of cashews for \$8. If you wanted to buy 60 bags, how much would it cost?



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?

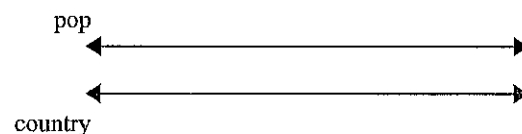


5. _____

6. _____

7. _____

- 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?

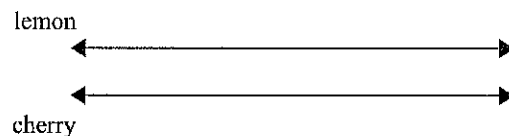


8. _____

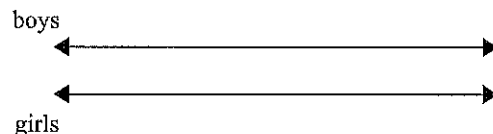
- 5) A builder could get 3 sheets of sheetrock for \$2. If he bought 15 sheets, how much money would he have spent?



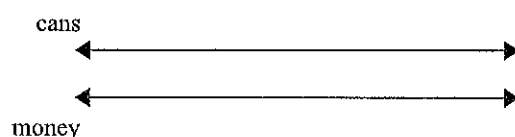
- 6) A box of candy had 8 cherry pieces for every 3 lemon pieces. If the box had 30 lemon pieces, how many cherry pieces would there be?



- 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?





Determine which statement or statements are true. If none write 'none'.

Answers

- 1) pushups = 4 , sit-ups = 7
- A. The ratio of sit-ups done to pushups done is 4:7
 - B. The ratio of pushups done to sit-ups done is 4:7
 - C. For every 4 pushups done there were 7 sit-ups done
 - D. The ratio of pushups done to sit-ups done is 7:4
- 2) large popcorns = 8 , small popcorns = 3
- A. The ratio of large popcorns to small popcorns sold is 8:3
 - B. The ratio of small popcorns to large popcorns sold is 8:3
 - C. The ratio of large popcorns to small popcorns sold is 3:8
 - D. For every 3 large popcorns sold there are 8 small popcorns sold
- 3) cats = 3 , dogs = 5
- A. For every 5 dogs there are 3 cats
 - B. The ratio of dogs to cats is 5:3
 - C. For every 3 dogs there are 5 cats
 - D. For every 5 cats there are 3 dogs
- 4) diet sodas = 6 , regular sodas = 9
- A. For every 9 regular sodas sold there are 6 diet sodas sold
 - B. The ratio of diet sodas to regular sodas sold is 9:6
 - C. For every 6 regular sodas sold there are 9 diet sodas sold
 - D. The ratio of diet sodas to regular sodas sold is 6:9
- 5) boys = 8 , girls = 6
- A. For every 8 boys there are 6 girls
 - B. The ratio of boys to girls is 6:8
 - C. The ratio of girls to boys is 8:6
 - D. For every 8 girls there are 6 boys
- 6) green apples = 8 , red apples = 2
- A. The ratio of green apples to red apples is 8:2
 - B. For every 8 red apples there are 2 green apples
 - C. The ratio of red apples to green apples is 8:2
 - D. The ratio of green apples to red apples is 2:8

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____