Cotuz

Name: _____ Date: _____

Ratios, Rates and Unit Rates

Grade 6 · Ages 11-12 · Math · Ratios & Rates · ★☆

Write each ratio with a colon in the order the question asks, like 3:5. Where a number is missing from a pair of equal ratios, like 2:3 = 8:?, write it on the line.

1. A team has 3 players in red and 5 players in blue. Write the ratio of players in blue to players in red.

_____

2. A car park has 8 cars and 9 bikes. Write the ratio of cars to bikes. _____

3. A shelf has 3 storybooks and 10 comics. Write the ratio of storybooks to comics.

_____

4. A pond has 2 ducks and 9 geese. Write the ratio of geese to ducks. _____

5. A basket has 11 apples and 2 oranges. Write the ratio of oranges to apples.

_____

6. A jar has 11 red marbles and 9 blue marbles. Write the ratio of red marbles to blue marbles. _____

7. A farm has 11 goats and 9 sheep. Write the ratio of sheep to goats. _____

8. A tin holds 10 cookies and 11 muffins. Write the ratio of cookies to muffins.

_____

9. A garden has 5 roses and 8 tulips. Write the ratio of tulips to roses. _____

10. A pencil case holds 7 pencils and 9 pens. Write the ratio of pencils to pens.

_____

11. 1:3 = _____:30

12. 1:9 = 5:_____

13. 7:8 = _____:48

14. 9:7 = 27:_____

15. 8:7 = 24:_____

16. 1:5 = _____:45

17. 4:9 = _____:54

18. 9:1 = 18:_____

19. 5:9 = _____:72

20. 2:5 = 16:_____

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ANSWER KEY

Ratios, Rates and Unit Rates

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1. A team has 3 players in red and 5 players in blue. Write the ratio of players in blue to players in red. **5:3**

2. A car park has 8 cars and 9 bikes. Write the ratio of cars to bikes. **8:9**

3. A shelf has 3 storybooks and 10 comics. Write the ratio of storybooks to comics. **3:10**

4. A pond has 2 ducks and 9 geese. Write the ratio of geese to ducks. **9:2**

5. A basket has 11 apples and 2 oranges. Write the ratio of oranges to apples. **2:11**

6. A jar has 11 red marbles and 9 blue marbles. Write the ratio of red marbles to blue marbles. **11:9**

7. A farm has 11 goats and 9 sheep. Write the ratio of sheep to goats. **9:11**

8. A tin holds 10 cookies and 11 muffins. Write the ratio of cookies to muffins. **10:11**

9. A garden has 5 roses and 8 tulips. Write the ratio of tulips to roses. **8:5**

10. A pencil case holds 7 pencils and 9 pens. Write the ratio of pencils to pens. **7:9**

11. 1:3 = **10**:30

12. 1:9 = 5:**45**

13. 7:8 = **42**:48

14. 9:7 = 27:**21**

15. 8:7 = 24:**21**

16. 1:5 = **9**:45

17. 4:9 = **24**:54

18. 9:1 = 18:**2**

19. 5:9 = **40**:72

20. 2:5 = 16:**40**