

Comparing Ratios

Multiple Choice

Identify the choice that best completes the statement or answers the question.

- _____ 1. Write the ratio 15:5 with second term 1.
a. 10:1 b. 3:1 c. 11:1 d. 5:1
- _____ 2. Write the part-to-part ratio 11:13 as a part-to-whole ratio.
a. 1:24 b. 24:13 c. 2:24 d. 11:24
- _____ 3. Write the part-to-whole ratio 3:7 as a part-to-part ratio.
a. 3:4 b. 4:3 c. 3:10 d. 1:4
- _____ 4. The ratio of concentrate to water is listed for each punch below.
Punch A: 1:6
Punch B: 2:9
Punch C: 1:3
Punch D: 5:12
Which ratio gives the strongest punch?
a. 2:9 b. 1:6 c. 5:12 d. 1:3
- _____ 5. The ratio of distance travelled to amount of gas used is listed for 4 cars.
Car A: 1:5
Car B: 1:6
Car C: 1:7
Car D: 1:9
Which ratio means the longest distance travelled with the same amount of gas?
a. 1:5 b. 1:7 c. 1:9 d. 1:6
- _____ 6. Order these ratios from least to greatest.
5:8, 5:9, 7:11, 6:9
a. 6:9, 5:8, 7:11, 5:9 c. 7:11, 6:9, 5:8, 5:9
b. 5:9, 7:11, 5:8, 6:9 d. 5:8, 6:9, 5:9, 7:11
- _____ 7. Order these ratios from least to greatest.
1:3, 1:6, 2:15, 3:10
a. 1:3, 1:6, 2:15, 3:10 c. 2:15, 1:6, 3:10, 1:3
b. 1:3, 1:6, 3:10, 2:15 d. 2:15, 3:10, 1:6, 1:3
- _____ 8. Tina has a collection of 65 CDs and DVDs. The ratio of CDs to DVDs is 8:5.
Tim has the same number in his collection but Tim has more CDs than Tina has.
Which is the ratio of Tim's CDs to DVDs?
a. 10:3 b. 3:10 c. 7:5 d. 5:8

Short Answer

9. Which ratio is greater, 2:3 or 3:5?

Name: _____

ID: A

10. In one locker, 5 out of 6 mitts are baseball mitts.
In another locker, 7 out of 8 mitts are baseball mitts.
Both lockers contain the same number of mitts.
Which locker has more baseball mitts?
11. In one apple drink, the ratio of apple juice to water is 5:3.
In another apple drink, the ratio of apple juice to water is 7:5.
Which drink has higher apple juice content?
12. The ratio $\blacksquare:5$, in simplest form, is greater than the ratio 5:7. Find the missing number.
13. A fruit punch calls for 4 cans of concentrate and 5 cans of water.
By mistake, Danielle uses 5 cans of concentrate.
Is the punch stronger or weaker? Explain.
14. Jake makes a punch using 4 cans of concentrate with 5 cans of water.
Roland makes another punch using 5 cans of concentrate and 7 cans of water.
Which punch is stronger? Explain.
15. Class A has 56 books in its library. The ratio of fiction to non-fiction books is 9:5.
Class B has the same number of books and the ratio of fiction to non-fiction books is 4:3.
Which class has more fiction books?