

#1

Choose the best answer

A teacher asks a grade three class their favorite color. 30 students like the color orange and 10 students like the color purple. The teacher then asks a grade four class about their favorite colors. 80 students like the color orange and 8 students like the color purple. In which class is the ratio of students that like orange to the students the like purple the highest?

- ☐ Neither; the ratios are equivalent ☐ Grade Three ☐ Grade Four

Show your work

#2

Choose the best answer

Alyssa and Angela are playing games for tickets at the arcade. At the first machine, Alyssa wins 15 tickets and Angela wins 3 tickets. At the second machine, Alyssa wins 56 tickets and Angela wins 8 tickets. At which machine was the ratio of Alyssa's tickets won to Angela's tickets won the highest?

- ☐ Second Machine ☐ First Machine ☐ Neither; the ratios are equivalent

Show your work

#3

Choose the best answer

Ashley and her friend Ella both want to read the same two books. One is a fiction book and the other is a non-fiction book. It takes Ashley 48 hours to finish the fiction book, and it takes Ella 8 hours to finish the same book. It then takes Ashley 50 hours to finish the non-fiction book, and it takes Ella 10 hours. For which book was the ratio of Ashley's reading time to Ella's reading time the highest?

- ☐ Neither; the ratios are equivalent ☐ Non-fiction book ☐ Fiction book

Show your work

#4

Choose the best answer

Ryan plays soccer and hockey. In March he scored 14 soccer goals and 7 hockey goals. In April, he scored 4 soccer goals and 2 hockey goals. In which month was Ryan's ratio of soccer goals to hockey goals the highest?

- ☐ Neither; the ratios are equivalent ☐ April ☐ March

Show your work

#5

Choose the best answer

An ice cream store sold 30 vanilla ice cream cones and 10 chocolate ice cream cones on Monday. On Tuesday, the ice cream store sells 8 vanilla ice cream cones and 2 chocolate ice cream cones. On which day was the ratio of vanilla ice cream cones sold to chocolate ice cream cones sold higher?

- ☐ Monday ☐ Tuesday ☐ Neither; the ratios are equivalent

Show your work

#6

Choose the best answer

Darren and Emily are playing games for tickets at the arcade. At the first machine, Darren wins 25 tickets and Emily wins 5 tickets. At the second machine, Darren wins 24 tickets and Emily wins 4 tickets. At which machine was the ratio of Darren's tickets won to Emily's tickets won the highest?

- ☐ Neither; the ratios are equivalent ☐ First Machine ☐ Second Machine

Show your work

#7

Choose the best answer

A teacher asks a grade three class their favorite color. 27 students like the color orange and 9 students like the color purple. The teacher then asks a grade four class about their favorite colors. 42 students like the color orange and 7 students like the color purple. In which class is the ratio of students that like orange to the students the like purple the highest?

- ☐ Grade Three ☐ Grade Four ☐ Neither; the ratios are equivalent

Show your work

#8

Choose the best answer

Sophia and Gabriel are playing games for tickets at the arcade. At the first machine, Sophia wins 40 tickets and Gabriel wins 5 tickets. At the second machine, Sophia wins 42 tickets and Gabriel wins 6 tickets. At which machine was the ratio of Sophia's tickets won to Gabriel's tickets won the highest?

- ☐ Second Machine ☐ First Machine ☐ Neither; the ratios are equivalent

Show your work

#9

Choose the best answer

A teacher asks a grade three class their favorite color. 8 students like the color orange and 4 students like the color purple. The teacher then asks a grade four class about their favorite colors. 35 students like the color orange and 5 students like the color purple. In which class is the ratio of students that like orange to the students the like purple the highest?

- ☐ Grade Three ☐ Neither; the ratios are equivalent ☐ Grade Four

Show your work

#10

Choose the best answer

A teacher asks a grade three class their favorite color. 10 students like the color orange and 2 students like the color purple. The teacher then asks a grade four class about their favorite colors. 30 students like the color orange and 10 students like the color purple. In which class is the ratio of students that like orange to the students the like purple the highest?

- ☐ Grade Four ☐ Grade Three ☐ Neither; the ratios are equivalent

Show your work

#11

Choose the best answer

In the winter, a travel agent sells 80 vacations to Mexico and 8 vacations to France. In the summer, the travel agent sells 40 vacations to Mexico and 4 vacations to France. In which season was the ratio of vacations to Mexico to vacations to France the highest?

- ☐ Summer ☐ Winter ☐ Neither; the ratios are equivalent

Show your work

#12

Choose the best answer

On Saturday, a coffee shop sells 16 cups of coffee and 8 cups of tea. On Sunday, the coffee shop sells 35 cups of coffee and 5 cups of tea. On which day was the ratio of coffee sales to tea sales the highest?

- ☐ Sunday ☐ Neither; the ratios are equivalent ☐ Saturday

Show your work

Question	Answer
#1	choice 3
#2	choice 1
#3	choice 3
#4	choice 1
#5	choice 2
#6	choice 3
#7	choice 2
#8	choice 2
#9	choice 3
#10	choice 2
#11	choice 3
#12	choice 1