

Problems on Ratio and Percent

Race car A drives on a 15-mile racetrack, completing one lap every 5 minutes. Race car B drives on a 20-mile racetrack, completing one lap every 6 minutes. Fill in the tables below.

Race car A

	distance	time
1 lap	15 miles	5 minutes
2 laps		
3 laps		
4 laps		
5 laps		
6 laps		
7 laps		
8 laps		
9 laps		
10 laps		
11 laps		
12 laps		

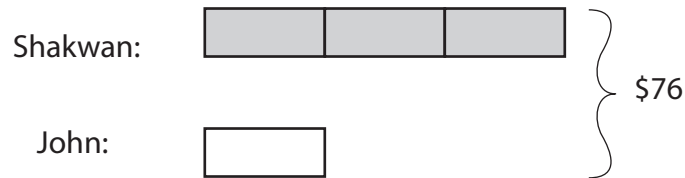
Race car B

	distance	time
1 lap	20 miles	6 minutes
2 laps		
3 laps		
4 laps		
5 laps		
6 laps		
7 laps		
8 laps		
9 laps		
10 laps		
11 laps		
12 laps		

Use the tables to help you answer the next questions.

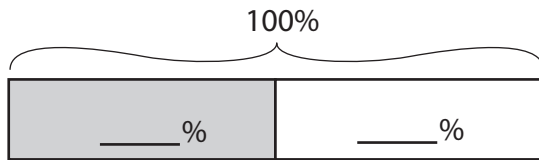
- How long does it take Race car A to go 60 miles? Answer: _____
- How long does it take Race car A to go 60 miles? Answer: _____
- How far does Race car A go in 30 minutes? Answer: _____
- How far does Race car B go in 30 minutes? Answer: _____
- How far does Race car A go in 1 hour? Answer: _____
- How far does Race car B go in 1 hour? Answer: _____
- Which race car is faster? Explain your answer.

8. Shakwan has 3 times as much money as John. Together, Shakwan and John have \$76.
 How much money does John have? Answer: _____
 How much money does Shakwan have? Answer: _____

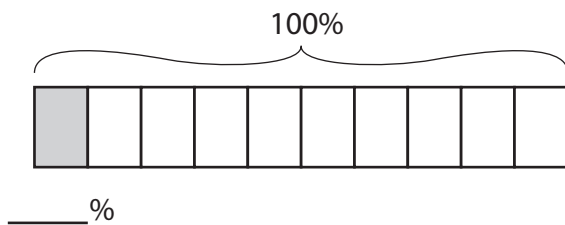


9. Jessica has 4 times as much money as Amanda. Together, Jessica and Amanda have \$85.
 Draw a picture to help you answer the next questions.
 How much money does Amanda have? Answer: _____
 How much money does Jessica have? Answer: _____

10. Fill in the blanks with the correct percentages. Then write the portion of the strip that is shaded as a fraction and as a percent.



$$\frac{\text{fraction shaded}}{\text{fraction shaded}} = \frac{\text{percent shaded}}{\text{percent shaded}}$$



$$\frac{\text{fraction shaded}}{\text{fraction shaded}} = \frac{\text{percent shaded}}{\text{percent shaded}}$$

11. Find 10% of \$80. Answer : _____
 Find 5% of \$80. Answer: _____
 Find 15% of \$80. Answer: _____
12. Find 10% of \$300. Answer : _____
 Find 5% of \$300. Answer: _____
 Find 15% of \$300. Answer: _____
13. Find 50% of \$65. Answer: _____