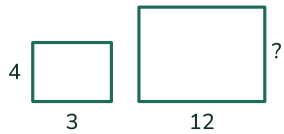


Grade 7 Ratios, Rates & Percents Unit Test

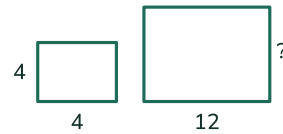
Name _____ Date _____ Score _____ / 16

Part A • Proportions & Ratios

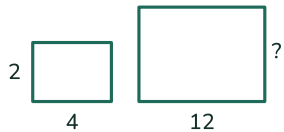
Each pair of figures is similar. Find the missing side with a proportion.



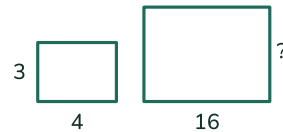
01 Find the missing side = _____



02 Find the missing side = _____



03 Find the missing side = _____



04 Find the missing side = _____

Part B • Rates

05

154 kilometres in 7 hours. What is the rate?

06

720 words in 6 minutes. What is the rate?

07

888 heartbeats in 8 minutes. What is the rate?

Grade 7 Ratios, Rates & Percents Unit Test

Part B • Rates (continued)

08

176 kilometres in 8 hours. What is the rate?

Part C • Percentages

09 20% of 46 = _____

10 20% of 193 = _____

11 25% of 29 = _____

12 50% of 78 = _____

Part D • Fraction • Decimal • Percent

13 $\frac{7}{10}$ as a % = _____

14 30% as a fraction = _____

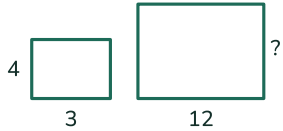
15 100% as a decimal = _____

16 40% as a fraction = _____

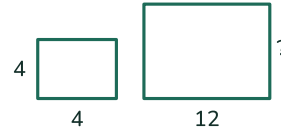
Grade 7 Ratios, Rates & Percents Unit Test (Answer Key)

Part A • Proportions & Ratios

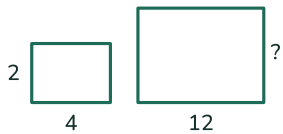
Each pair of figures is similar. Find the missing side with a proportion.



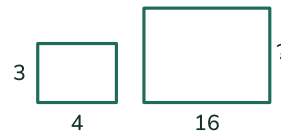
01 Find the missing side = **16**



02 Find the missing side = **12**



03 Find the missing side = **6**



04 Find the missing side = **12**

Part B • Rates

05

154 kilometres in 7 hours. What is the rate?

22 km/h

06

720 words in 6 minutes. What is the rate?

120 words/min

07

888 heartbeats in 8 minutes. What is the rate?

111 bpm

Grade 7 Ratios, Rates & Percents Unit Test (Answer Key)

Part B · Rates (continued)

08

176 kilometres in 8 hours. What is the rate?

22 km/h

Part C · Percentages

09 20% of 46 = 9.2

10 20% of 193 = 38.6

11 25% of 29 = 7.25

12 50% of 78 = 39

Part D · Fraction · Decimal · Percent

13 $\frac{7}{10}$ as a % = 70%14 30% as a fraction = $\frac{3}{10}$

15 100% as a decimal = 1.0

16 40% as a fraction = $\frac{2}{5}$