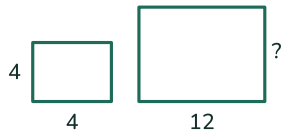


Grade 6 Ratios & Rates Unit Test

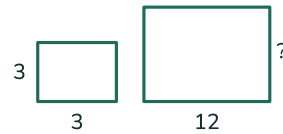
Name _____ Date _____ Score _____ / 16

Part A · Proportions & Ratios

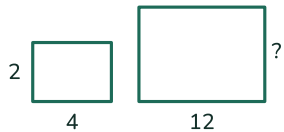
Each pair of figures is similar. Find the missing side with a proportion.



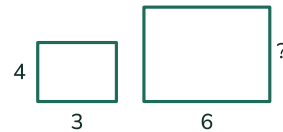
01 Find the missing side = _____



02 Find the missing side = _____



03 Find the missing side = _____



04 Find the missing side = _____

Part B · Rates

05

420 words in 3 minutes. What is the rate?

06

60 kilometres in 2 hours. What is the rate?

07

665 heartbeats in 5 minutes. What is the rate?

Grade 6 Ratios & Rates Unit Test

Part B • Rates (continued)

08

108 pages in 3 hours.
What is the rate?

Part C • Percentages

09

25% of 60 = _____

10

50% of 31 = _____

11

10% of 20 = _____

12

10% of 64 = _____

Part D • Unit Conversion

13

Convert 13920 m to km = _____

14

Convert 3340 mL to L = _____

15

Convert 14600 mg to g = _____

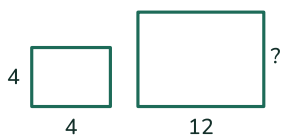
16

Convert 18340 mL to L = _____

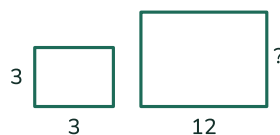
Grade 6 Ratios & Rates Unit Test (Answer Key)

Part A · Proportions & Ratios

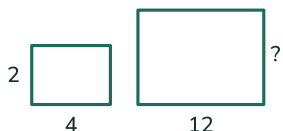
Each pair of figures is similar. Find the missing side with a proportion.



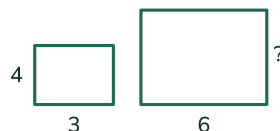
01 Find the missing side = **12**



02 Find the missing side = **12**



03 Find the missing side = **6**



04 Find the missing side = **8**

Part B · Rates

05

420 words in 3 minutes. What is the rate?

140 words/min

06

60 kilometres in 2 hours. What is the rate?

30 km/h

07

665 heartbeats in 5 minutes. What is the rate?

133 bpm

Grade 6 Ratios & Rates Unit Test (Answer Key)

Part B • Rates (continued)

08

108 pages in 3 hours.
What is the rate?

36 pages/h

Part C • Percentages

09 25% of 60 = **15**10 50% of 31 = **15.5**11 10% of 20 = **2**12 10% of 64 = **6.4**

Part D • Unit Conversion

13 Convert 13920 m to km =
13.92 km14 Convert 3340 mL to L = **3.34 L**15 Convert 14600 mg to g = **14.6 g**16 Convert 18340 mL to L = **18.34 L**