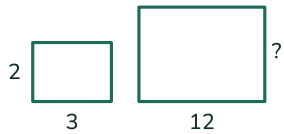


Grade 8 Ratios, Percents & Finance Unit Test

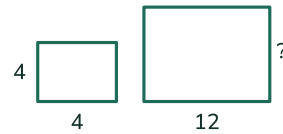
Name _____ Date _____ Score _____ / 24

Part A • Proportions & Ratios

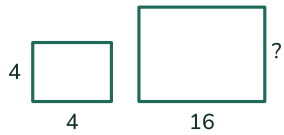
Each pair of figures is similar. Find the missing side with a proportion.



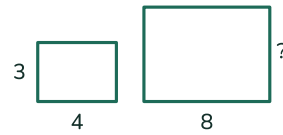
01 Find the missing side = _____



02 Find the missing side = _____



03 Find the missing side = _____



04 Find the missing side = _____

Part B • Rates

05

846 heartbeats in 6 minutes. What is the rate?

06

210 heartbeats in 2 minutes. What is the rate?

07

162 heartbeats in 2 minutes. What is the rate?

Grade 8 Ratios, Percents & Finance Unit Test

Part B · Rates (continued)

08

640 words in 8 minutes. What is the rate?

Part C · Percentages

09

10% of 87 = _____

10

20% of 57 = _____

11

5% of 191 = _____

12

25% of 16 = _____

Part D · Simple Interest

Find the simple interest for each investment.

13

\$500 at 5% for 3 years = _____

14

\$700 at 2.5% for 3 years = _____

15

\$500 at 2.5% for 6 months = _____

16

\$1000 at 2.5% for 2.5 years = _____

Grade 8 Ratios, Percents & Finance Unit Test

Part E · Compound Interest

Find the compound interest earned on each investment (compounded annually).

17 \$700 at 2% for 2 years = _____

18 \$300 at 5% for 2 years = _____

19 \$600 at 5% for 1 year = _____

20 \$900 at 2% for 1 year = _____

Part F · Fraction · Decimal · Percent

21 1.25 as a % = _____

22 0.0075 as a % = _____

23 1 as a % = _____

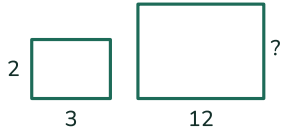
24 125% as a decimal = _____

α

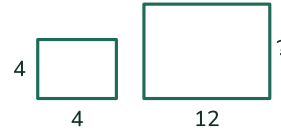
Grade 8 Ratios, Percents & Finance Unit Test (Answer Key)

Part A • Proportions & Ratios

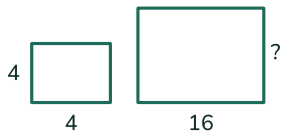
Each pair of figures is similar. Find the missing side with a proportion.



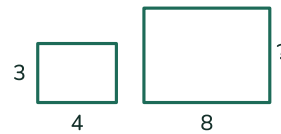
01 Find the missing side = **8**



02 Find the missing side = **12**



03 Find the missing side = **16**



04 Find the missing side = **6**

Part B • Rates

05

846 heartbeats in 6 minutes. What is the rate?

141 bpm

06

210 heartbeats in 2 minutes. What is the rate?

105 bpm

07

162 heartbeats in 2 minutes. What is the rate?

81 bpm

α

Grade 8 Ratios, Percents & Finance Unit Test (Answer Key)

Part B • Rates (continued)

08

640 words in 8 minutes. What is the rate?

80 words/min

Part C • Percentages

09 10% of 87 = **8.7**10 20% of 57 = **11.4**11 5% of 191 = **9.55**12 25% of 16 = **4**

Part D • Simple Interest

Find the simple interest for each investment.

13 \$500 at 5% for 3 years = **\$75**14 \$700 at 2.5% for 3 years =
\$52.5015 \$500 at 2.5% for 6 months =
\$6.2516 \$1000 at 2.5% for 2.5 years =
\$62.50

α

Grade 8 Ratios, Percents & Finance Unit Test (Answer Key)

Part E · Compound Interest

Find the compound interest earned on each investment (compounded annually).

17 \$700 at 2% for 2 years = **\$28.28**

18 \$300 at 5% for 2 years = **\$30.75**

19 \$600 at 5% for 1 year = **\$30.00**

20 \$900 at 2% for 1 year = **\$18.00**

Part F · Fraction · Decimal · Percent

21 1.25 as a % = **125%**

22 0.0075 as a % = **0.75%**

23 1 as a % = **100%**

24 125% as a decimal = **1.25**