

Final Exam Review - Unit 5**Multiple Choice**

Identify the choice that best completes the statement or answers the question.

- _____ 1. Write 7% as a decimal.
a. 0.7 b. 0.007 c. 0.07 d. 7
- _____ 2. Write 0.72 as a percent.
a. 7.2% b. 0.72% c. 72% d. 0.072%
- _____ 3. Write 0.63% as a decimal.
a. 6.3 b. 0.63 c. 0.0063 d. 0.063
- _____ 4. Write the profit on this item as a percent. Round to the nearest percent.
Unit cost: \$117.90
Selling price: \$175.80
a. 33% b. 58% c. 15% d. 49%
- _____ 5. The original price of an item is \$2475. It is on sale for \$1905.
Find the decrease in price as a percent. Round to the nearest percent.
a. 30% b. 23% c. 33% d. 6%
- _____ 6. Calculate the sale price of this item before taxes.
60% off a bike for \$369.02
a. \$332.12 b. \$147.61 c. \$442.82 d. \$221.41
- _____ 7. The sales taxes of a province are 8%. How much tax do you pay on a \$59.10 purchase?
a. \$47.28 b. \$4.73 c. \$8.59 d. \$59.18
- _____ 8. Jason has 2 pink stickers and 13 blue stickers in his sticker book.
Write the ratio of pink stickers to total number of stickers.
a. 2:13 b. 13:2 c. 2:15 d. 13:15
- _____ 9. Which two ratios are equivalent?
14:8, 11:22, 35:20, 21:15
a. 11:22, 21:15 b. 14:8, 11:22 c. 35:20, 21:15 d. 14:8, 35:20
- _____ 10. Jake picked 60 apples and noticed that 14 of them were bad.
What is the ratio, in simplest form, of good apples to apples picked?
a. 23:7 b. 19:30 c. 23:30 d. 7:30
- _____ 11. Write the part-to-part ratio 7:9 as a part-to-whole ratio.
a. 16:9 b. 2:16 c. 1:16 d. 7:16
- _____ 12. Write the part-to-whole ratio 5:11 as a part-to-part ratio.
a. 1:6 b. 5:6 c. 6:5 d. 5:16
- _____ 13. An astronaut who weighs 78 kg on Earth weighs only 13 kg on the Moon.
How much would a person who weighs 15 kg on the Moon weigh on Earth?
a. 90 kg b. 52 kg c. 84 kg d. 96 kg

Name: _____

ID: A

- _____ 14. The scale for a model of a gorilla is 1:40. The gorilla is 184 cm tall.
What is the height of the gorilla in the model?
a. 7.4 cm b. 46 cm c. 4.6 mm d. 46 mm
- _____ 15. Victor's model car covers 250 m in 5 min. What is the average speed of his car?
a. 125 m/min b. 50 m/min c. 250 m/min d. 1250 m/min
- _____ 16. Sean saves \$25 in 5 weeks. At this rate, how long will it take him to save \$55?
a. 16 weeks b. 275 weeks c. 30 weeks d. 11 weeks
- _____ 17. You pay \$2.80 for 7 bagels. Find the unit cost for these bagels.
a. \$0.47 per bagel c. \$0.50 per bagel
b. \$0.40 per bagel d. \$0.20 per bagel
- _____ 18. Population density is the number of people per square kilometre.
What is the population density of a city that has 160 000 people in 1700 km²?
a. 62 people/km² c. 361 people/km²
b. 94 people/km² d. 19 people/km²

Final Exam Review - Unit 5

Answer Section

MULTIPLE CHOICE

1. ANS: C PTS: 1 DIF: Easy
REF: 5.1 Relating Fractions, Decimals, and Percents LOC: 8.N3
TOP: Number KEY: Conceptual Understanding
2. ANS: C PTS: 1 DIF: Easy
REF: 5.1 Relating Fractions, Decimals, and Percents LOC: 8.N3
TOP: Number KEY: Conceptual Understanding
3. ANS: C PTS: 1 DIF: Easy REF: 5.2 Calculating Percents
LOC: 8.N3 TOP: Number KEY: Conceptual Understanding
4. ANS: D PTS: 1 DIF: Moderate REF: 5.3 Solving Percent Problems
LOC: 8.N3 TOP: Number KEY: Conceptual Understanding
5. ANS: B PTS: 1 DIF: Moderate REF: 5.3 Solving Percent Problems
LOC: 8.N3 TOP: Number KEY: Conceptual Understanding
6. ANS: B PTS: 1 DIF: Easy REF: 5.4 Sales Tax and Discount
LOC: 8.N3 TOP: Number KEY: Conceptual Understanding
7. ANS: B PTS: 1 DIF: Easy REF: 5.4 Sales Tax and Discount
LOC: 8.N3 TOP: Number KEY: Conceptual Understanding
8. ANS: C PTS: 1 DIF: Moderate REF: 5.5 Exploring Ratios
LOC: 8.N4 TOP: Number KEY: Conceptual Understanding
9. ANS: D PTS: 1 DIF: Moderate REF: 5.6 Equivalent Ratios
LOC: 8.N5 TOP: Number KEY: Conceptual Understanding
10. ANS: C PTS: 1 DIF: Moderate REF: 5.6 Equivalent Ratios
LOC: 8.N5 TOP: Number KEY: Conceptual Understanding
11. ANS: D PTS: 1 DIF: Moderate REF: 5.7 Comparing Ratios
LOC: 8.N4 TOP: Number KEY: Conceptual Understanding
12. ANS: B PTS: 1 DIF: Moderate REF: 5.7 Comparing Ratios
LOC: 8.N4 TOP: Number KEY: Conceptual Understanding
13. ANS: A PTS: 1 DIF: Moderate REF: 5.8 Solving Ratio Problems
LOC: 8.N5 TOP: Number KEY: Conceptual Understanding
14. ANS: D PTS: 1 DIF: Moderate REF: 5.8 Solving Ratio Problems
LOC: 8.N5 TOP: Number KEY: Conceptual Understanding
15. ANS: B PTS: 1 DIF: Easy REF: 5.9 Exploring Rates
LOC: 8.N5 TOP: Number KEY: Conceptual Understanding
16. ANS: D PTS: 1 DIF: Moderate REF: 5.9 Exploring Rates
LOC: 8.N5 TOP: Number KEY: Conceptual Understanding | Problem-solving Skills
17. ANS: B PTS: 1 DIF: Easy REF: 5.10 Comparing Rates
LOC: 8.N5 TOP: Number KEY: Conceptual Understanding
18. ANS: B PTS: 1 DIF: Moderate REF: 5.10 Comparing Rates
LOC: 8.N5 TOP: Number KEY: Conceptual Understanding | Problem-solving Skills