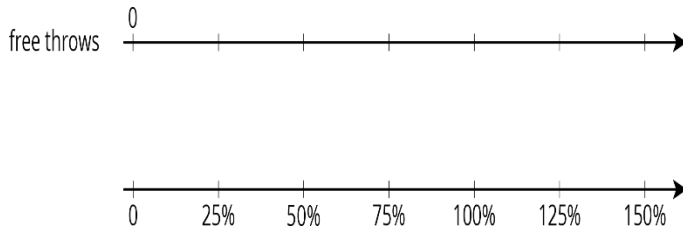


## Quiz #2- Unit 3: Unit Rates and Measurement

1. During a basketball practice, Mai attempted 32 free throws and was successful on 75% of them. How many successful free throws did she make?



- A. 24                      B. 43                      C. 28                      D. 16

2. Select **all** the expressions whose value is larger than OR equal to 100.

- A. 120% of 100
- B. 50% of 250
- C. 150% of 50
- D. 20% of 800
- E. 200% of 30
- F. 500% of 400
- G. 1% of 1,000

3. At a school, 60% of the sixth-grade students said that hip-hop is their favorite kind of music. If 210 sixth-grade students prefer hip hop music, how many sixth-grade students are at the school? Explain or show your reasoning.

- A. 126      B. 350      C. 300      D. 427

5. There are 90 students in the school band. 30% of them are sixth graders, 40% are seventh graders, and the rest are eighth graders.

How many band members are 6th graders? \_\_\_\_\_

How many band members are 7th graders? \_\_\_\_\_

What percentage of the band members are 8<sup>th</sup> graders?

4. What percentage of a dollar is the value of each coin combination? Match the letter to the number

\_\_\_\_\_ 9 dimes                      A. 7%

\_\_\_\_\_ 1 nickel and 2 pennies      B. 135%

5 quarters and 1 dime      C. 90%

6. Jada has a monthly budget for her cell phone bill. Last month she spent 150% of her budget, and the bill was \$90. What is Jada's monthly budget? Explain or show your reasoning.

- A. \$60.00    B. \$8.50    C. \$50.00    D. \$7.20

7. There is a 10% off sale on laptop computers. If someone saves \$35 on a laptop, what was its original cost? If you get stuck, consider using the table.

savings (dollars)	percentage
35	10
?	100

8. The original price of a scarf was \$20. During a store-closing sale, a shopper saved \$12 on the scarf. What percentage discount did she receive? Explain or show your reasoning.

- A. 25%    B. 60%    C. 75%    D. 125%

**Answers:**

1.	2.	3.	4. _____, _____, _____
5. _____, _____, _____	6.	7.	8.