

Name \_\_\_\_\_ raw scaled percent

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**Math 6 Trimester 2 Exam 1P (191 points)**  
*Percentage - Practice Exam*

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■ For full credit, show complete *solutions*. Partial credit is often given, even when the final answer is incorrect. All fractions in answers must be reduced.

■ A. Express each of the following as a decimal. (3 points each)

[1] 8%

[2] 80%

[3] 62%

■ B. Express each of the following as a percentage. (3 points each)

[1]  $\frac{2}{5}$

[2]  $\frac{7}{8}$

[3]  $\frac{30}{600}$

[4] 0.25

[5] 0.07

[6] 0.356

■ C. Answer each of the following. (6 points each)

[1] 48 out of 400 seats in a theater are empty. What percentage of the seats are empty?

[2]  $\frac{11}{20}$  of the students swim. What percentage of the students swim?

[3] The usual price of a radio was **\$21**. At a sale, it was sold at a discount of **15%**.  
What was the selling price?

[4] Aziz monthly salary was increased by **10%** this year. His monthly salary before the increase was **\$1200**. What was his monthly salary **after** the increase?

■ **D. Answer each of the following. (10 points each)**

[1] If **90%** of Jan's savings is **\$180**, how much is her savings in total?

Solution:

\_\_\_\_\_ % → \$ \_\_\_\_\_

\_\_\_\_\_ % → \$ \_\_\_\_\_

\_\_\_\_\_ % → \$ \_\_\_\_\_

[2] If **\$3600** corresponds to **120%**, what amount of money does **100%** correspond to?

[3] Circle the correct answer.

If "Sumin saves **\$400** and Meihua saves **\$500**. Express Meihua's savings as a percentage of Sumin's savings," Who's savings would correspond to **100%**?

[Meihua's savings]

[Sumin's savings]

[4] Joan has **\$100**. Ally has **20% more** money than Joan. How much money does Ally have?

[5] Ally has \$120. Joan has **20% less** money than Ally. How much money does Joan have?

■ **E. Answer each of the following. (15 points each)**

[1] Package A weighs **5kg**. Package B weighs **20%** less than package A.  
Find the weight of package B.

[2] Meili made **42** points. This was **75%** of the total score. Find the total score.

[3] During a sale, the price of a shirt was reduced by **15%**. It was sold for **\$17**.  
Find the usual price of the shirt.

[4] The number of books in Jim's library was increased by **20%** to **180**.  
Find the numbers of books **before** the increase.

[5] In a school, **40%** of the teachers are males.

There are **18 more** female teachers than male teachers. How many teachers are there?

[6] There are **250** members in a club. **20%** of them are boys and the rest are girls.

How many percent **more** girls than boys are there?