Problem 1

Marcus worked from 11:30am - 6:30pm on Friday and made a total of $109.20. How much did he make per hour?

Ⓐ $15/hr

Ⓑ $15.60/hr

Ⓒ $18.20/hr

Ⓓ $12.80/hr

Questions to think about:

- What information may be relevant to the problem?
- Which word from the question, "How much did he make per hour" helps us in determining which math operation we need to do?
- Which operation do we need to do to solve this problem?
- Can we eliminate any of the answer options? Why?

Topics to review

- Intro to Pythagorean Theorem (video)

Problem 2

Suppose that a right-triangle has 2 sides with lengths 5ft and 12ft. The third side of the triangle is the hypotenuse. What is the perimeter of the triangle?

Ⓐ 13 ft

Ⓒ 8 ft

Ⓑ 15 ft

Ⓓ 17 ft

Questions to think about:

- What information may be relevant to the problem?
- Which math operation do we need to do to find the perimeter?
- Would we be able to find the area of the triangle?
- Do we need the length of the missing side? If so, how can we find it?
- Can we eliminate any of the answer options? Why?

Topics to review

- Writing an inequality (video)

Problem 3

Jamie has a budget of $415 for an upcoming vacation. The cost for the airbnb is $250 and she plans on eating out for 4 meals. Create an inequality that shows how to find the amount, x, Jamie can spend on each meal.

Ⓐ $250 + 4(x) \leq 415$ Ⓒ $250 - 4(x) \leq 415$

Ⓑ $250 + 4(x) \geq 415$ Ⓓ $250 \cdot 4(x) \leq 415$

Questions to think about:

- What information may be relevant to the problem?
- What are the different inequality symbols?
- Do we need to solve for x in this problem?
- Can we eliminate any of the answer options? Why?

Problem 4

Dominique makes $375 per week. She also gets a 9.5% commission rate on all sales. If Dominique sells $2,888 worth of merchandise in one week, how much will she make in total? Round to the nearest dollar.

Ⓐ $402

Ⓒ $580

Ⓑ $649

Ⓓ $380

Questions to think about:

- What information may be relevant to the problem?
- What does commission rate mean?
- What are the steps (math operations) for solving this problem?
- Can we eliminate any of the answer options? Why?