Math 20 Review Scavenger Hunt Setup and Answers

Materials: 5 Envelopes with clues, tape to put envelopes up around the room

Setup: Get 5 envelopes and write one of the answers on each one (on the flap side with the flap open): 144, 135, 121, 120, -130. Print 2 pages of each clue and cut into strips. Place the clues in the proper envelope as listed below. Keep one or two of each clue out for the starting clues.

Start each group with a different clue. When they solve the problem they will find their answer on an envelope that holds the next clue. When they have done all 5 problems they are done.

Place this clue in the 144 envelope:

Answer each problem to determine the 3 digits of the next envelope:

1st digit: $-6 + 7 =$

2nd digit: $-10 - (-13) =$

3rd digit: $23 + (-18) =$

Answer: 135

Place this clue in the 135 envelope:

Solve this problem: $\dfrac{1}{3} \div \left(\dfrac{1}{6} + \dfrac{4}{9} \right)$

The denominator squared is the number on the next envelope.

Answer: 121

Place this clue in the 121 envelope:

Juan must work 24 hours to pay the tuition for 3 college credits. If Juan plans to sign up for 15 credits at PCC in the Fall, how many hours will he need to work?

Use a proportion to solve the problem. The answer is on the next envelope.

Answer: 120

Place this clue in the 120 envelope:

Solve this problem: $-64 \div 8 \cdot 2^3 + 6(-11)$

The answer is the number on the next envelope.

Answer: -130

Place this clue in the -130 envelope:

A video game which is regularly priced at $168.44, is on sale for 10% off. You have a coupon for an additional 5% off the sale price. How much would you pay with the coupon?

Round your answer to the nearest dollar. The answer is on the next envelope.

Answer: 144 – loop to the top envelope

<div align="center">No calculator</div>

Answer each problem to determine the 3 digits of the next envelope:

1st digit: $-6 + 7 =$
2nd digit: $-10 - (-13) =$
3rd digit: $23 + (-18) =$

<div align="center">No calculator</div>

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No calculator

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Calculator OK

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