Ratio: Increase and Decrease

Name: _____ Date: _____

INSTRUCTIONS: Answer ALL questions in the spaces provided.

1. Increase 45g in the ratio 5 : 8.

_____ x _____ = _____ g

2. Decrease 96 litres in the ratio 3 : 8.

_____ x _____ = _____ litres

3. Due to Global Financial problems, the value of Angelina's Retirement Investment Savings decreases in the ratio 5 : 7. If her savings were worth $50,000 a year ago, what is their current dollar value?

Current Value = _____ x _____ = $ _____

4. A photo measures 20 cm by 8 cm. The photo is **enlarged** in the ratio 8 : 5.



(a) Calculate the measurements of the enlarged photo.

Length = _____ x _____ = _____ cm

Width = _____ x _____ = _____ cm

(b) Calculate the area of the original photo.

Area = _____ x _____ = _____ cm²

(c) Calculate the area of the enlarged photo.

Area = _____ x _____ = _____ cm²

(d) Write down a simplify the ratio:

Area of enlarged photo : area of original photo.

: ORIGINAL AREAS

: SIMPLIFIED AREAS

LIVEWORKSHEETS