**NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­\_\_\_CLASS\_\_\_\_\_\_\_\_\_\_\_DATE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Homework #2 DECIMAL-FRACTION-PERCENT**

**Use the table below to answer questions 1-5**

|  |
| --- |
| Angela mad 12 out of 15 free-throws |
| Emily made 15 out of 20 free-throws |
| Christina made 13 out of 16 free-throws |

1. Write each girls free-throw success as a ratio of percent made to total free-throws.
2. Write Angela’s free-throw success as a fraction decimal and a percent.
3. Write Emily’s free-throw success as a fraction decimal and a percent
4. Write Christina’s free-throw success as a fraction decimal and a percent
5. Out of the 3 girls, who’s better at free-throws? Justify your answer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Review Prior Knowledge**

1. Convert the following from an improper faction or mixed number

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Improper** **Fraction** | $$\frac{13}{7}$$ |  | $$\frac{23}{3}$$ |  |
| **Mixed** **Number** |  | $$5\frac{2}{7}$$ |  | $$9\frac{3}{4}$$ |

1. 10.4 + 174.99 + 0.71
2. Ben needs to replace two sides of his fence. One side is 367.09 meters long, and the other is 329.3 meters long. A) How much fence does Ben need to buy?

B) If the fence cost $1.25 per meter, how much will it cost Ben to replace his fence?

1. $\frac{8.06}{0.4}$
2. Use the distributive property to simplify the following: 3(7x + 9) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_