

Name : _____

Multiplying Mixed Numbers and Fractions

Sheet 3

- 1) Stella has a small bathtub, which holds $45\frac{3}{5}$ gallons of water. Mary has large one, which contains $\frac{5}{3}$ times as much water as Stella's. How much water does Mary's bathtub hold?
- _____

- 2) Lyla used half an ounce of blue paint to create her favorite shade of purple. If she mixed $3\frac{2}{3}$ times more red paint than blue paint in the process, how many ounces of red paint did she use?
- _____

- 3) Julian spends $2\frac{1}{4}$ hours to a music video for his sister. His sister sings along for $\frac{3}{4}$ of the time. How many minutes did Julian's sister spend singing?
- _____

- 4) Walter drove his car 120 miles on Friday, how many miles did he drive on Saturday if he drove $\frac{5}{4}$ times more distance?
- _____

- 5) A bag of cotton weighed $14\frac{3}{8}$ pounds. The weight increased to $\frac{8}{3}$ times the original weight after it was soaked in water. How many pounds does the bag weigh now?
- _____

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Multiplying Mixed Numbers and Fractions

- 1) Stella has a small bathtub, which holds $45\frac{3}{5}$ gallons of water. Mary has large one, which contains $\frac{5}{3}$ times as much water as Stella's. How much water does Mary's bathtub hold?

76 gallons

- 2) Lyla used half an ounce of blue paint to create her favorite shade of purple. If she mixed $3\frac{2}{3}$ times more red paint than blue paint in the process, how many ounces of red paint did she use?

$\frac{11}{6}$ or $1\frac{5}{6}$

- 3) Julian spends $2\frac{1}{4}$ hours to a music video for his sister. His sister sings along for $\frac{3}{4}$ of the time. How many minutes did Julian's sister spend singing?

$\frac{18}{5}$ or $3\frac{3}{5}$

- 4) Walter drove his car 17 miles on Friday, how many miles did he drive on Saturday if he drove $\frac{5}{3}$ times more distance?

$\frac{53}{3}$ or $17\frac{2}{3}$ miles

- 5) A bag of cotton weighed $14\frac{3}{8}$ pounds. The weight increased to $\frac{8}{3}$ times the original weight after it was soaked in water. How many pounds does the bag weigh now?

$\frac{115}{3}$ or $38\frac{1}{3}$ pounds

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