

AMERICAN MATH HW
WEEK of December 1 to December 5

Due Date: Sunday, 12/7 by midnight

Focus for the week: The focus of the HW this week is Adding & Subtracting Fractions and Multiplying Fractions.

Pacing guideline: Look at the top right corner of the page for the suggested pace.

Uploading Instructions: Homework will be accepted only through Archie. Upload homework on Archie and wait till you get the message – “**the file has been successfully uploaded**”. If for any reason you have technical issues, get in touch with me as soon as possible.

Paper homework is accepted for valid reasons. In such cases, parents should reach out via email to inform about the same.

IMPORTANT – Please show ALL YOUR WORK done to find the answer to any problem to earn FULL CREDIT. No credit is earned when only final answer is written and no work is shown.

Note: Bring your homework to class everyday. I will discuss the HW from the previous day in every class. It is important to practice the assigned topics daily because the next day’s instruction builds on the previous lesson.

ANNOUNCEMENT – Math FAST December 10th, Wednesday

Additional Practice Material (Optional):

- 1) IXL practice:
 - i. Go to IXL.com on any web browser OR IXL app on iPad
 - ii. Login using following credentials:
 - Username – your_archie_username@archimedeanacad
 - Password – archie199
 - iii. Go to Learning> Skills> Fourth Grade Math
 - iv. Practice modules –
Fourth Grade : U1-U7; V1-V6; W1-W7

Fraction word problems

Grade 5 Word Problems Worksheet

1. Jack spent $\frac{3}{4}$ of an hour biking and $\frac{5}{6}$ of an hour jogging. Afterwards, he swam for $\frac{1}{8}$ of an hour. How much time did Jack exercise before he went swimming?

2. To stay healthy, Emily decided to walk for $\frac{4}{5}$ mile every day. She walked $\frac{2}{5}$ mile to work and walked $\frac{1}{4}$ mile at lunchtime. How much more does she need to walk after dinner if she wants to meet her target distance?

3. Olivia is an athlete. During training this morning, she ran three laps. It took her $\frac{5}{6}$ minute to finish the first lap. The second lap took her $\frac{1}{12}$ more minutes than the first lap. The third lap took her $\frac{1}{10}$ less minutes than the second lap. How much time did it take her to finish the third lap?



4. Kyle is a basketball player. His bottle was full at the beginning of the game. At the end of the first quarter, he drank $\frac{5}{7}$ of the bottle. A coach filled up his bottle for him during the second quarter. At the end of second quarter, he drank some more water and left only $\frac{2}{5}$ of water in the bottle. How much water did he drink during the first half of the game?
5. Emma is a professional cyclist. For the past year, she has been practicing to ride as far as she can in a minute. At the beginning of the year, her personal record was $\frac{5}{6}$ of a kilometer in one minute. After six months, she improved her record by $\frac{1}{15}$ of a kilometer. After a year, she further improved her record by $\frac{1}{12}$ of a kilometer. What is her best record?
6. A football team was training for four hours. During the first hour, they practiced for $\frac{5}{8}$ of an hour. During the second hour, they practiced for $\frac{2}{3}$ of an hour. During the last two hours, they first practiced for $\frac{3}{5}$ of an hour, took a $\frac{1}{2}$ hour break and then practiced the rest of the time. How much time did they spend practicing in total?

Multiplying fractions practice

Grade 5 Fractions Worksheet

Calculate.

1. $\frac{3}{10} \times \frac{2}{10} =$ _____

2. $2\frac{2}{3} \times 2\frac{2}{3} =$ _____

3. $\frac{13}{20} \times 2\frac{5}{20} =$ _____

4. $2\frac{2}{9} \times \frac{4}{9} =$ _____

5. $\frac{3}{4} \times 2\frac{3}{4} =$ _____

6. $2\frac{5}{8} \times 1\frac{4}{8} =$ _____

7. $2\frac{4}{25} \times \frac{20}{25} =$ _____

8. $\frac{1}{2} \times 1\frac{1}{2} =$ _____

9. $\frac{4}{12} \times 1\frac{10}{12} =$ _____

10. $2\frac{1}{6} \times 2\frac{4}{6} =$ _____

11. $2\frac{5}{15} \times 2\frac{5}{15} =$ _____

12. $\frac{11}{15} \times 2\frac{7}{15} =$ _____

13. $1\frac{2}{25} \times \frac{6}{25} =$ _____

14. $1\frac{1}{4} \times \frac{3}{4} =$ _____

15. $1\frac{4}{16} \times 2\frac{6}{16} =$ _____

16. $1\frac{10}{12} \times 2\frac{9}{12} =$ _____

Multiplying fractions (denominators 2-25)

Grade 5 Fractions Worksheet

Find the product.

1. $\frac{6}{12} \times \frac{2}{10} =$ _____

2. $\frac{1}{16} \times \frac{7}{21} =$ _____

3. $\frac{8}{9} \times \frac{1}{2} =$ _____

4. $\frac{11}{20} \times \frac{4}{14} =$ _____

5. $\frac{7}{18} \times \frac{11}{25} =$ _____

6. $\frac{3}{15} \times \frac{3}{7} =$ _____

7. $\frac{2}{4} \times \frac{3}{6} =$ _____

8. $\frac{5}{7} \times \frac{15}{18} =$ _____

9. $\frac{4}{8} \times \frac{3}{4} =$ _____

10. $\frac{3}{11} \times \frac{5}{9} =$ _____

11. $\frac{2}{14} \times \frac{1}{4} =$ _____

12. $\frac{1}{2} \times \frac{2}{5} =$ _____

13. $\frac{7}{10} \times \frac{7}{21} =$ _____

14. $\frac{1}{3} \times \frac{2}{9} =$ _____

Fraction multiplied by a fraction

Grade 5 Fractions Worksheet

Fill in the blanks.

$$1) \quad \frac{1}{4} \times \frac{3}{5} = \boxed{}$$

$$7) \quad \frac{5}{7} \times \boxed{} = \frac{15}{2}$$

$$2) \quad \frac{3}{4} \times \frac{5}{7} = \boxed{}$$

$$8) \quad \frac{12}{5} \times \boxed{} = \frac{16}{7}$$

$$3) \quad \frac{15}{4} \times \frac{1}{4} = \boxed{}$$

$$9) \quad \frac{12}{13} \times \boxed{} = \frac{4}{39}$$

$$4) \quad \boxed{} \times \frac{4}{25} = \frac{3}{20}$$

$$10) \quad \boxed{} \times \frac{30}{7} = \frac{3}{28}$$

$$5) \quad \boxed{} \times \frac{5}{21} = \frac{2}{15}$$

$$11) \quad \boxed{} \times \frac{12}{17} = \frac{14}{17}$$

$$6) \quad \boxed{} \times \frac{21}{20} = \frac{27}{10}$$

$$12) \quad \boxed{} \times \frac{18}{25} = \frac{3}{20}$$