

7th Grade

Worksheet 1: Adding Decimals, Fractions, and Integers

Add and put your answers in simplest form. Show all your work on this paper or staple your work to this paper.

1. $54.3 + 89.12$

9. $2\frac{4}{5} + 4\frac{8}{9}$

2. $903.2 + 87.9$

10. $3\frac{2}{3} + 4\frac{1}{2} + 6\frac{1}{4}$

3. $1,938 + 65.89 + 0.304$

11. $23 + (-12)$

4. $230 + 943 + 2.4 + 6.543$

12. $-4 + -13$

5. $1.9 + 2.398 + 0.003 + 34.96$

13. $6 + (-4) + (-2)$

6. $\frac{4}{7} + \frac{5}{7}$

14. $-8 + 9 + (-12) + 20$

7. $8\frac{3}{5} + 9\frac{4}{5}$

15. $-23 + (-18) + 15 + (-21)$

8. $10\frac{1}{3} + 4\frac{2}{5}$

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Worksheet 2: Subtracting Decimals, Fractions, and Integers

Subtract and put your answers in simplest form. Show all your work on this paper or staple your work to this paper.

1. $13 - 4.2$

9. $9 \frac{1}{5} - 4 \frac{2}{3}$

2. $83.34 - 46.329$

10. $6 \frac{1}{2} - 6 \frac{1}{4}$

3. $837.321 - 763.29$

11. $15 - 23$

4. $934 - 234.48$

12. $4 - (-9)$

5. $8239.78 - 234.1 - 34.32$

13. $-18 - (-13)$

6. $\frac{8}{9} - \frac{2}{3}$

14. $12 - 5 - (-2)$

7. $20 \frac{3}{5} - 18 \frac{4}{5}$

15. $-12 - (-10) + 23 + (-31)$

8. $4 \frac{2}{3} - 2 \frac{2}{5}$

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Worksheet 3: Multiplying Decimals, Fractions, and Integers

Multiply and put your answers in simplest form. Show all your work on this paper or staple your work to this paper.

1. 293×8.9

9. $(24/30)(40/72)$

2. $34(1.23)$

10. $1 \frac{1}{2}(3 \frac{1}{4})$

3. 89×0.025

11. -12×4

4. 2.34×1.2

12. -13×-3

5. $0.567(2.63)$

13. $5(-2)(-3)$

6. $4/5 \times 10/11$

14. $-6(-4)(-10)$

7. $10 \times 2 \frac{4}{5}$

15. $(-2)(-3)(-4)(-5)$

8. $2 \frac{3}{4} \times 2 \frac{1}{3}$

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Worksheet 4: Dividing Decimals, Fractions, and Integers

Divide and put your answers in simplest form. Show all your work on this paper or staple your work to this paper.

1. $4.26 \div 9$

9. $8/9 \div 10 \frac{1}{2}$

2. $146.24 \div 15$

10. $4 \frac{1}{2} \div 3 \frac{1}{4}$

3. $8.45 \div 2.5$

11. $-12 \div 4$

4. $9.87 \div 0.3$

12. $-13 \div -3$

5. $18.452 \div 0.05$

13. $\frac{-45}{9}$

6. $2/3 \div 4/5$

14. $\frac{-32}{-4}$

7. $6/7 \div 7/10$

15. $\frac{-225}{5}$

8. $4 \div 3 \frac{1}{2}$

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Worksheet 5: Order of Operations, GCF, & LCM

Solve each using order of operations. Let $a=4$, $b=3$, and $c=2$ Show all your work on this paper or staple your work to this paper.

1. $5 + 3 \times 4 - 7$

5. ab

2. $2 \times 3 + 9 \times 2$

6. $4b + c$

3. $11 + 4 \times (12 - 3)$

7. $5bc + 2a$

4. $12 + 5^2 - 9$

8. $a^2 - 5b$

Find the GCF of each set of numbers.

9. 6 and 9

10. 25 and 30

11. 12 and 28

12. 20, 35, 50

Find the LCM of each set of numbers.

13. 8 and 12

14. 18 and 24

15. 10 and 45

16. 15, 24, and 30

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Worksheet 6: Solving Equations

Solve each equation and check your solutions. Show all your steps on this paper or staple your work to this paper.

1. $-2 + w = -5$

9. $9c = -72$

2. $t + 5 = -12$

10. $-3y = -39$

3. $x + (-8) = -24$

11. $-40 = -4y$

4. $y - 7 = 2$

12. $3x + 7 = 13$

5. $-9 = -12 + y$

13. $-4y + 9 = 17$

6. $-11 = t - 5$

14. $3c - 5 = -11$

7. $r - 2 = -3$

15. $-5 = -2y + 3$

8. $x - (-4) = 10$

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Worksheet 7: Ratios, Proportions, and Percents

Show all your work on this paper or staple your work to this paper.

Write each ratio in simplest form.

1. 10 out of 25 girls 2. 12 labs out of 20 dogs 3. 8 red marbles to 32 marbles

Write each as a unit rate.

4. 228 words typed in 6 minutes 5. \$2.16 for a dozen cookies

Solve each proportion and check your answer.

6. $\frac{15}{21} = \frac{5}{x}$

7. $\frac{6}{14} = \frac{21}{y}$

8. $\frac{4.2}{x} = \frac{1.4}{2.6}$

Write each percent as a decimal and a fraction in simplest form.

9. 80% 10. 14% 11. 120%

Write each decimal as a percent and a fraction in simplest form.

12. 0.45 13. 0.4 14. 2.3