

grade 6 MATH  
WORKBOOK  
SAMPLE



**oak meadow**

INDEPENDENT LEARNING SINCE 1975

# Oak Meadow Grade 6 Math Workbook

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# Grade 6



# Skills Check

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Reduce all fractions in answers to lowest terms.

1.  $\frac{1}{3} + \frac{3}{4}$

2.  $18\frac{3}{8} + 12\frac{1}{8}$

3.  $10 - \frac{4}{6}$

4.  $9 \overline{)1218}$

5.  $\frac{2}{3} + \frac{5}{9}$

6. 
$$\begin{array}{r} 5 \\ + \frac{8}{12} \\ \hline \end{array}$$

7. 
$$\begin{array}{r} 21\frac{11}{12} \\ - 6\frac{7}{12} \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 509 \\ \times 468 \\ \hline \end{array}$$

9. 
$$\begin{array}{r} \frac{2}{4} \\ - \frac{1}{6} \\ \hline \end{array}$$

## Grade 6



# New Skills Practice: Multiplying Using Simple Fractions and Mixed Numbers; Fractions in Word Problems

---

Multiply and reduce to lowest terms.

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

2.  $\frac{1}{6} \times \frac{1}{3}$

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

4.  $\frac{5}{6} \times \frac{1}{4}$

5.  $\frac{3}{5} \times \frac{3}{4}$

6.  $\frac{7}{10} \times \frac{1}{2}$

7.  $5 \times \frac{1}{2}$

8.  $\frac{2}{3}$  of 8

9.  $10 \times \frac{3}{4}$

**Lesson 7 New Skills Practice** *(continued)*

10.  $1\frac{1}{2} \times \frac{1}{4}$

11.  $\frac{3}{10} \times 2\frac{1}{2}$

12.  $4\frac{2}{5} \times \frac{2}{6}$

13.  $1\frac{3}{5} \times \frac{1}{3}$

14.  $\frac{5}{8} \times 2\frac{1}{3}$

15.  $\frac{1}{6} \times 3\frac{2}{3}$

16.  $2\frac{1}{3} \times 2\frac{3}{5}$

17.  $2\frac{2}{5} \times 1\frac{1}{3}$

18.  $2\frac{2}{9} \times 4\frac{1}{2}$

# Grade 6



# Test

---

Reduce all fractions to lowest terms.

1. 
$$\begin{array}{r} 12 \\ + 3\frac{3}{6} \\ \hline \end{array}$$

2. 
$$21 \overline{)4564}$$

3.  $\frac{1}{3}$  of 28

4. 
$$\begin{array}{r} 9\frac{2}{9} \\ - 3\frac{1}{3} \\ \hline \end{array}$$

5.  $1\frac{3}{4} \times 2\frac{2}{3}$

6.  $16 - \frac{2}{4}$

7.  $\frac{1}{2} \times 1\frac{5}{8}$

8.  $18\frac{3}{4} + 9\frac{5}{6}$

9. 
$$\begin{array}{r} 7,006 \\ \times \quad 482 \\ \hline \end{array}$$

**Lesson 7 Test** *(continued)*

10.  $2\frac{5}{6} \times 3\frac{1}{4}$

11.  $24 \times \frac{3}{4}$

12. 
$$\begin{array}{r} 19 \\ - 11\frac{2}{8} \\ \hline \end{array}$$

13. 
$$\begin{array}{r} 9\frac{3}{5} \\ - 5\frac{1}{2} \\ \hline \end{array}$$

14.  $\frac{2}{3} \times \frac{5}{6}$

15.  $1\frac{3}{4} \times \frac{1}{3}$

16. 
$$\begin{array}{r} 19\frac{5}{6} \\ + 5\frac{1}{3} \\ \hline \end{array}$$

**Lesson 7 Test** *(continued)*

17. Joe's family had a big party for his 21st birthday. There were 33 people at the party, and  $\frac{2}{3}$  of them were his friends from college. How many college friends were at Joe's party?
18. Todd is driving at 60 miles per hour. If he continues driving at that rate, how many miles will he travel in  $\frac{3}{4}$  of an hour?
19. Jamie and Earl earned \$188 mowing lawns together. If they split their earnings evenly, how much will each one receive?
20. Mrs. Johnson made an apple pie and divided it into 8 equal pieces. Mrs. Johnson ate 1 piece, Roger ate 2 pieces, and Shana ate 1 piece. What fraction of the pie did they all eat?

## Lesson 7 Learning Checklist

LESSON 7 SKILLS	I need help with this skill	I can do this skill on my own	I am confident with this skill	Notes
Multiply simple fractions				
Multiply fractions and whole numbers				
Translate multiplication word problems involving fractions into numeric equations				
Multiply using mixed numbers				



## Grade 6



# Skills Check

---

Reduce all fractions in answers to lowest terms.

$$1. \quad \begin{array}{r} \frac{3}{5} \\ - \frac{1}{3} \\ \hline \end{array}$$

$$2. \quad \begin{array}{r} 7\frac{3}{4} \\ + 8\frac{3}{4} \\ \hline \end{array}$$

$$3. \quad 16 \overline{)5476}$$

$$4. \quad \begin{array}{r} 13 \\ - 9\frac{4}{8} \\ \hline \end{array}$$

$$5. \quad \begin{array}{r} \frac{3}{4} \\ - \frac{1}{2} \\ \hline \end{array}$$

$$6. \quad 9\frac{3}{16} - 5\frac{5}{16}$$

**Lesson 8 Skills Check** *(continued)*

7.  $\frac{1}{8} + \frac{5}{12}$

8. 
$$\begin{array}{r} 6,050 \\ \times 974 \\ \hline \end{array}$$

9.  $17 + 4\frac{6}{9}$

Grade 6



# New Skills Practice: Multiplying Whole and Mixed Numbers, Canceling Fractions

---

Use canceling, if possible, when multiplying. Reduce answer to lowest terms.

1.  $2\frac{1}{6} \times 3$

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

3.  $3\frac{1}{5} \times 4$

4.  $3\frac{2}{7} \times 2$

5.  $6 \times 2\frac{2}{3}$

6.  $5\frac{1}{2} \times 2$

7.  $\frac{1}{5} \times 2\frac{1}{2}$

8.  $3\frac{1}{5} \times 1\frac{1}{4}$

9.  $\frac{5}{8} \times \frac{4}{10}$

**Lesson 8 New Skills Practice** *(continued)*

10.  $\frac{2}{3} \times 2\frac{2}{8}$

11.  $2 \times 5\frac{1}{2}$

12.  $2\frac{2}{5} \times 1\frac{1}{3}$

# Grade 6



# Test

---

Use canceling, if possible, when multiplying. Reduce answer to lowest terms.

1.  $16 \times \frac{3}{4}$

2.  $23\frac{3}{8} + 9\frac{5}{6}$

3. 
$$\begin{array}{r} 6,359 \\ \times 407 \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 19\frac{5}{10} \\ + 3\frac{2}{5} \\ \hline \end{array}$$

5.  $\frac{4}{5} \times \frac{5}{8}$

6. 
$$\begin{array}{r} 17 \\ - 9\frac{8}{10} \\ \hline \end{array}$$

**Lesson 8 Test** *(continued)*

7.  $1\frac{7}{8} \times 1\frac{3}{5}$

8.  $\frac{3}{8}$  of 24

9.  $5 \times 2\frac{2}{5}$

10. 
$$\begin{array}{r} 12\frac{1}{8} \\ - 7\frac{3}{4} \\ \hline \end{array}$$

11.  $35 \overline{)4312}$

12. 
$$\begin{array}{r} 6\frac{2}{3} \\ - 2\frac{1}{2} \\ \hline \end{array}$$

- 13.** There are 8 people in John's family, and  $\frac{3}{4}$  of them are females. How many females are in John's family?
- 14.** When Carly's party was over, there were two boxes of pizza left. One box had  $\frac{3}{4}$  of a pizza, and the other box had  $\frac{2}{3}$  of a pizza. How much pizza was left altogether?
- 15.** There were 150 people at the Little League game between the Cougars and the Eagles.  $\frac{2}{3}$  of the people at the game were cheering for the Cougars. How many fans were cheering for the Cougars?
- 16.** Mary is driving at 40 miles per hour. If she continues driving at that rate, how many miles will she travel in  $1\frac{1}{2}$  hours?

## Lesson 8 Learning Checklist

LESSON 8 SKILLS	I need help with this skill	I can do this skill on my own	I am confident with this skill	Notes
Use canceling to reduce fractions before multiplying				
Multiply whole and mixed numbers				