

Grade 4 Multiplication

Worksheet Pack

Standard Algorithm • Regrouping • Word Problems

Skills Covered

- 2-, 3- and 4-digit $\times$ 1-digit multiplication
- 2-digit $\times$ 2-digit multiplication
- Standard vertical multiplication algorithm
- Regrouping and place value
- Mental maths and estimation
- Missing numbers and true/false
- Real-life word problems and reasoning

Name: _____

Date: _____

Teacher / Class: _____

Worksheet 1 • Multiply by 1 Digit

Grade 4 Mathematics

A. Calculate

$$\begin{array}{r} 234 \\ \times 3 \\ \hline 1205 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 412 \\ \times 2 \\ \hline 2314 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 325 \\ \times 4 \\ \hline 3102 \\ \times 5 \\ \hline \end{array}$$

B. Regrouping

$$\begin{array}{r} 468 \\ \times 7 \\ \hline 2475 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 759 \\ \times 6 \\ \hline 3604 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 1286 \\ \times 7 \\ \hline 4125 \\ \times 9 \\ \hline \end{array}$$

Worksheet 2 • 2-Digit × 2-Digit

Grade 4 Mathematics

A. Calculate

$$\begin{array}{r} 23 \\ \times 14 \\ \hline 36 \\ \times 24 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ \times 21 \\ \hline 57 \\ \times 13 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ \times 12 \\ \hline 48 \\ \times 25 \\ \hline \end{array}$$

B. Challenge

$$\begin{array}{r} 64 \\ \times 17 \\ \hline 43 \\ \times 29 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ \times 18 \\ \hline 56 \\ \times 34 \\ \hline \end{array}$$

$$\begin{array}{r} 35 \\ \times 26 \\ \hline 67 \\ \times 42 \\ \hline \end{array}$$

Worksheet 3 • Mental Maths & Estimation

Grade 4 Mathematics

A. Mental Maths

$$25 \times 4 = \underline{\hspace{2cm}}$$

$$50 \times 6 = \underline{\hspace{2cm}}$$

$100 \times 7 = \underline{\hspace{2cm}}$

$$30 \times 9 = \underline{\hspace{2cm}}$$

$$40 \times 8 = \underline{\hspace{2cm}}$$

$200 \times 5 = \underline{\hspace{2cm}}$

$12 \times 10 = \underline{\hspace{2cm}}$

$$125 \times 8 = \underline{\hspace{2cm}}$$

B. Estimate to the Nearest 100

$$198 \times 4 \approx \underline{\hspace{2cm}}$$

$$312 \times 3 \approx \underline{\hspace{2cm}}$$

$$487 \times 6 \approx \underline{\hspace{2cm}}$$

$$624 \times 5 \approx \underline{\hspace{2cm}}$$

$$1,205 \times 4 \approx \underline{\hspace{2cm}}$$

$$2,490 \times 3 \approx \underline{\hspace{2cm}}$$

7. Is 398×5 closer to 1,500 or 2,000? _____

Worksheet 4 • Missing Numbers & True/False

Grade 4 Mathematics

A. Find the Missing Number

$$\blacksquare \times 6 = 3,024$$

$$45 \times \blacksquare = 360$$

$$\blacksquare \times 8 = 4,096$$

$$27 \times \blacksquare = 540$$

$$\blacksquare \times 7 = 2,450$$

$$36 \times \blacksquare = 1,080$$

B. True or False

$$24 \times 15 = 360 \quad \underline{\hspace{2cm}}$$

$$32 \times 21 = 672 \quad \underline{\hspace{2cm}}$$

$$45 \times 12 = 540 \quad \underline{\hspace{2cm}}$$

$$36 \times 24 = 864 \quad \underline{\hspace{2cm}}$$

$$57 \times 13 = 741 \quad \underline{\hspace{2cm}}$$

$$64 \times 17 = 1,088 \quad \underline{\hspace{2cm}}$$

Worksheet 5 • Multiplication Word Problems

Grade 4 Mathematics

Solve each problem. Show your working.

1. A box holds 24 pencils. How many pencils are in 18 boxes?

2. A school has 36 students in each of 7 classes. How many students?

3. A shop sells 125 notebooks each day. How many in 6 days?

4. A farmer plants 245 trees in each row. There are 4 rows. How many trees?

5. A theatre has 28 seats in each row and 35 rows. How many seats?

6. A bakery makes 315 rolls each morning. How many in 8 mornings?

Challenge

7. Each pack has 48 stickers. How many stickers are in 25 packs?

Worksheet 6 • Mixed Multiplication Challenge

Grade 4 Mathematics

A. Solve using the standard algorithm

$$\begin{array}{r} 125 \\ \times 24 \\ \hline 1250 \\ \times 32 \\ \hline \end{array}$$

$$\begin{array}{r} 306 \\ \times 18 \\ \hline 208 \\ \times 35 \\ \hline \end{array}$$

$$\begin{array}{r} 425 \\ \times 16 \\ \hline 75 \\ \times 48 \\ \hline \end{array}$$

B. Reasoning

Is 198×5 greater than 900? _____

Which is greater: 24×35 or 30×28 ? _____

Write a multiplication sentence with answer 2,400: _____

Create a 2-digit $\times$ 2-digit problem whose answer is 1,000: _____

Explain one strategy for checking a multiplication answer.

Answer Key • Grade 4 Multiplication

Grade 4 Mathematics

Worksheet 1

- | | |
|-----------|------------|
| 1. 702 | 7. 3,276 |
| 2. 824 | 8. 4,554 |
| 3. 1,300 | 9. 9,002 |
| 4. 3,615 | 10. 19,800 |
| 5. 9,256 | 11. 21,624 |
| 6. 15,510 | 12. 37,125 |

Worksheet 2

- | | |
|----------|-----------|
| 1. 322 | 7. 1,088 |
| 2. 672 | 8. 1,296 |
| 3. 540 | 9. 910 |
| 4. 864 | 10. 1,247 |
| 5. 741 | 11. 1,904 |
| 6. 1,200 | 12. 2,814 |

Worksheet 3

- | | |
|----------|-----------|
| 1. 100 | 9. 800 |
| 2. 300 | 10. 900 |
| 3. 700 | 11. 3,000 |
| 4. 270 | 12. 3,000 |
| 5. 320 | 13. 5,000 |
| 6. 1,000 | 14. 7,500 |
| 7. 120 | 15. 2,000 |
| 8. 1,000 | |

Worksheet 4

- | | |
|--------|----------|
| 1. 504 | 7. True |
| 2. 8 | 8. True |
| 3. 512 | 9. True |
| 4. 20 | 10. True |
| 5. 350 | 11. True |
| 6. 30 | 12. True |

Worksheet 5

- | | |
|--------|----------|
| 1. 432 | 5. 980 |
| 2. 252 | 6. 2,520 |
| 3. 750 | 7. 1,200 |
| 4. 980 | |

Worksheet 6

- | | |
|-----------|-------------------------|
| 1. 3,000 | 7. Yes |
| 2. 5,508 | 8. Both are equal (840) |
| 3. 6,800 | 9. Answers vary |
| 4. 40,000 | 10. Answers vary |
| 5. 7,280 | 11. Answers vary |
| 6. 3,600 | |