ANUPAMA'S MATHS CORNER

Grade 4 Multiplication

REVISED PRINTABLE WORKSHEET PACK

Multiply • Model • Estimate • Apply

Skills covered

- 3-digit × 1-digit multiplication with regrouping
- 2-digit × 2-digit multiplication
- Multiplication involving zeros and place value
- Area-model / partitioning strategy
- Estimation, missing factors and error analysis
- Multi-step word problems and extension challenges

Name: _____

Date: _____ Class: _____

Instructions: Read each question carefully. Show your working where needed. Check your answers.

Worksheet 1 • Multiply by a 1-digit Number

Use the standard written method. Keep digits in the correct place-value columns.

1. 326 × 4 = _____

2. 508 × 6 = _____

3. 1,247 × 3 = _____

4. 2,306 × 5 = _____

5. 3,418 × 7 = _____

6. 4,025 × 8 = _____

7. 2,759 × 6 = _____

8. 5,604 × 9 = _____

Show your calculations in the space below or in your maths book.

Worksheet 2 • 2-digit × 2-digit

Use the standard algorithm or partition one factor into tens and ones.

1. 24 × 16 = _____
2. 37 × 22 = _____
3. 46 × 18 = _____
4. 58 × 24 = _____
5. 63 × 35 = _____
6. 72 × 19 = _____
7. 84 × 27 = _____
8. 95 × 32 = _____

Show your calculations in the space below or in your maths book.

Worksheet 3 • Zeros, Place Value & Area Models

Pay attention to the value of each digit. Show partial products for questions 7–8.

1. 304 × 20 = _____
2. 125 × 30 = _____
3. 2,040 × 6 = _____
4. 406 × 25 = _____
5. 230 × 14 = _____
6. 1,205 × 12 = _____
7. Use partitioning to calculate 32 × 24. Show both partial products.
8. A rectangle is 24 cm long and 16 cm wide. Find its area using an area model or partitioning.

Show your calculations in the space below or in your maths book.

Worksheet 4 • Mental Maths, Estimation & Reasoning

Estimate first where asked. For question 8, explain how you know.

1. 49 × 20 = _____
2. 198 × 5 = _____
3. 302 × 4 = _____
4. Estimate 48 × 21 by rounding each factor to the nearest ten. _____
5. Estimate 306 × 7 by rounding 306 to the nearest hundred. _____
6. ■ × 8 = 2,856. Find ■.
7. 36 × ■ = 1,080. Find ■.
8. A pupil says 42 × 23 = 966. Is the answer correct? Show a check.

Show your calculations in the space below or in your maths book.

Worksheet 5 • Word Problems & Challenge

Write a multiplication sentence for each problem. Show your method and include units.

1. A school orders 28 boxes of pencils. Each box contains 36 pencils. How many pencils are ordered?

2. A theatre has 24 rows with 38 seats in each row. How many seats are there?

3. A printer produces 245 leaflets each hour. How many leaflets does it print in 16 hours?

4. A sports club buys 125 packs of cards. Each pack contains 24 cards. How many cards are there altogether?

5. CHALLENGE: A hall has 32 rows of chairs with 28 chairs in each row. There are 4 identical halls. How many chairs are there altogether?

6. EXTENSION: Calculate 125 × 24 in two different ways. Which method do you prefer and why?

Show your calculations in the space below or in your maths book.

Answer Key • Grade 4 Multiplication

Answers are provided for checking. Accept equivalent methods where appropriate.

Worksheet 1

1. 1,304
2. 3,048
3. 3,741
4. 11,530
5. 23,926
6. 32,200
7. 16,554
8. 50,436

Worksheet 2

1. 384
2. 814
3. 828
4. 1,392
5. 2,205
6. 1,368
7. 2,268
8. 3,040

Worksheet 3

1. 6,080
2. 3,750
3. 12,240
4. 10,150
5. 3,220
6. 14,460
7. 32 × 24 = (30 × 24) + (2 × 24) = 720 + 48 = 768
8. 384 cm²

Worksheet 4

1. 980
2. 990
3. 1,208
4. About 1,000 (50 × 20)
5. About 2,100 (300 × 7)
6. 357
7. 30
8. Yes; 42 × 20 = 840 and 42 × 3 = 126; total 966

Worksheet 5

1. 1,008 pencils
2. 912 seats
3. 3,920 leaflets
4. 3,000 cards
5. 3,584 chairs
6. 3,000; methods may include 125 × (20 + 4) or (100 + 25) × 24