Yr 5 Multiplication and Division Unit 3 (5387)

Additional teacher instructions for practice sheets

These notes indicate which practice sheets are most appropriate for which groups.

Day 1 Using the grid method Sheet 1
Working at ARE

Day 2 Multiplying three digit numbers by single-digit numbers Sheet 1
Working towards ARE / Working at ARE

Day 2 Multiplying three digit numbers by single-digit numbers Sheet 2
Greater Depth

Day 3 Whole class practice Sheet 1
Whole class practice. Most children should be able to complete these calculations using the short multiplication method. Children Working below ARE can use the grid method.
Working towards ARE / Working at ARE / Greater Depth

Day 4 Find the cost Sheet 1
Whole class practice. Most children should be able to complete these calculations using the short multiplication method. Children Working below ARE can use the grid method.
Working towards ARE / Working at ARE / Greater Depth

Using the grid method
Sheet 1

Which of these multiplications do you think will have the biggest answer?
Which do you think will have the smallest?

1. 3 × 426

2. 8 × 273

3. 4 × 821

4. 5 × 392

5. 6 × 719

6. 7 × 486

7. 4 × 926

8. 3 × 784

Multiplying three-digit numbers by single-digit numbers
Sheet 1

Use a written or mental method to work out the following.
Approximate first.

479 × 5	4 × 835	523 × 4	5 × 614
214 × 9	234 × 6	3 × 534	211 × 5

Multiplying three-digit numbers by single-digit numbers
Sheet 2

Use a written or mental method to work out the following.
Approximate first.

479 × 6	4 × 835	527 × 7	5 × 678
914 × 6	234 × 8	9 × 534	222 × 7

Whole class practice
Sheet 1

Before you start, which do you think will have the biggest answer? Which will have the smallest answer?

1. 3 × 243

2. 4 × 316

3. 5 × 233

4. 8 × 221

5. 6 × 324

6. 7 × 624

7. 4 × 354

8. 3 × 836

9. 7 × 346

10. 3 × 876

11. 8 × 527

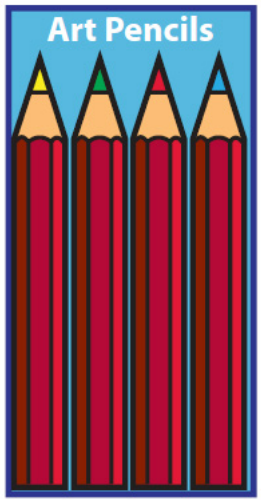
12. 6 × 768

Find the cost
Sheet 1

Find the cost of:

- seven boxes of pencils
- four books
- three DVDs
- five CDs
- six paint sets
- three beanies

£4.75



£2.15

£8.65

£8.76

£6.29

£7.99

Challenge

Mrs Merttens wants to buy the same present for each of her six grandchildren. Her budget is £10 per child. She could buy each child one or two items but they must all receive the same gift. Work out what she could buy, and what the total cost for each option would be.

5387 Answers

Day 1 Using the grid method

1. 3 x 426 = 1278
2. 8 x 273 = 2184
3. 4 x 821 = 3284
4. 5 x 392 = 1960
5. 6 x 719 = 4314
6. 7 x 486 = 3402
7. 4 x 926 = 3704
8. 3 x 784 = 2352

Day 2 Sheet 1 Multiplying three-digit numbers by single-digit numbers

479 x 5 = 2395
214 x 9 = 1926
4 x 835 = 3340
234 x 6 = 1404
523 x 4 = 2092
3 x 534 = 1602
5 x 614 = 3070
211 x 5 = 1055

Day 2 Sheet 2 Multiplying three-digit numbers by single-digit numbers

479 x 6 = 2874
914 x 6 = 5484
4 x 835 = 3340
234 x 8 = 1872
527 x 7 = 3689
9 x 534 = 4806
5 x 678 = 3390
222 x 7 = 1554

Day 3 Sheet 1 Whole class practice

1. 3 x 243 = 729
5. 6 x 324 = 1944
9. 7 x 346 = 2422
2. 4 x 316 = 1264
6. 7 x 624 = 4368
10. 3 x 876 = 2628
3. 5 x 233 = 1165
7. 4 x 354 = 1416
11. 8 x 527 = 4216
4. 8 x 221 = 1768
8. 3 x 836 = 2508
12. 6 x 768 = 4608

Day 4 Sheet 1 Find the cost

7 x £2.15 = £15.05
4 x £4.75 = £19
3 x £7.99 = £23.97
5 x £6.29 = £31.45
6 x £8.65 = £51.90
3 x £8.76 = £26.28

Total budget: 6 x £10 = £60
Pencils & books: £2.15 + £4.75 = £6.90 x 6 = £41.40
Pencils & CDs: £2.15 + £6.29 = £8.44 x 6 = £50.64
Paint sets: 6 x £8.65 = £51.90
Hats: 6 x £8.76 = £52.56
CDs: 6 x £6.29 = £37.74
DVDs: 6 x £7.99 = £47.94