Column addition and subtraction to 1000

Working in columns with carrying and exchanging.

★ ★ ★ EXPLANATION

Grade 3–4 · REK-PM-L3

Name: _____ Class: _____ Date: _____

WHAT YOU WILL LEARN

You will learn to work out sums to 1000 in columns: start on the right with the ones and work to the left.

WHAT YOU ALREADY KNOW

You know place value (hundreds, tens, ones) and your sums to 20.

WORDS YOU NEED

hundreds tens ones carry exchange

HOW TO DO IT — STEP BY STEP

1. **Line the numbers up.**
   Ones under ones, tens under tens.
2. **Start on the right with the ones.**
   7 + 5 = 12. Write the 2 and carry 1 ten.
3. **Count the carried ten.**
   4 + 8 + 1 = 13. Write 3, carry 1 hundred.
4. **Keep working to the left.**
   3 + 2 + 1 = 6. The answer is 632.

```
  1  1
   347
+  285
-----
  632
```

Ones: 7 + 5 = 12. Write 2, carry 1.
Tens: 4 + 8 + 1 = 13. Write 3, carry 1.
Hundreds: 3 + 2 + 1 = 6.

```
   623
-  287
-----
  336
```

Cannot take 7 from 3? Exchange one ten.
Ones: 13 - 7 = 6. Tens: 1 - 8. exchange again.
Hundreds: 5 - 2 = 3. Answer: 336.

REMEMBER

Always start on the right and work left.
More than 9? Carry 1 to the column on the left.
Not enough to take away? Exchange 1 from the left.

QUESTIE'S TIP

Write the carried digit small above the next column. Then you will not forget it halfway through.

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★ ★ ★ TOGETHER

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Name: _____ Class: _____ Date: _____

FINISH THE ADDITION

The first column is done. Keep going to the left.

1. 347 + 285 =

2. 476 + 158 =

3. 529 + 284 =

FINISH THE SUBTRACTION

Need to exchange? Cross out and write what is left above it.

1. 623 − 287 =

2. 805 − 349 =

3. 742 − 568 =

ESTIMATE FIRST, THEN CALCULATE

Round both numbers to hundreds and estimate. Then work it out exactly.

1. 347 + 285 ≈ ____ + ____ = ____

2. 623 − 287 ≈ ____ − ____ = ____

QUESTIE'S TIP

Your estimate and your answer are always close together. Far apart? Check your columns.

Parent corner

Let your child say the jump out loud: from 8 to 10 is 2, then 3 more. If they get stuck, put down ten blocks or buttons; that makes the jump to 10 visible.

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★ ★ ★ PRACTICE

Grade 3–4 · REK-PM-L3

Name: _____ Class: _____ Date: _____

LOOK FIRST: HOW IT WORKS

347 + 285 = 632 First to 10, then add the rest.

A · ADDITION WITH CARRYING

Set them out in columns and work them out in the box.

1. 347 + 285 = ____

2. 476 + 158 = ____

3. 529 + 284 = ____

4. 638 + 197 = ____

5. 265 + 476 = ____

6. 384 + 259 = ____

B · SUBTRACTION WITH EXCHANGING

1. 623 − 287 = ____

2. 805 − 349 = ____

3. 742 − 568 = ____

4. 530 − 276 = ____

5. 914 − 437 = ____

6. 681 − 395 = ____

Parent corner

Let your child say the jump out loud: from 8 to 10 is 2, then 3 more. If they get stuck, put down ten blocks or buttons; that makes the jump to 10 visible.

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★ ★ ★ APPLY

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Name: _____ Class: _____ Date: _____

MATHS IN REAL LIFE

Read carefully. Set out the sum in columns and write the answer.

1. A zoo had 347 visitors in the morning and 285 in the afternoon. How many visitors were there that day?

   Sum: _____ Answer: _____

2. A school has 623 books. 287 are borrowed. How many books are still on the shelves?

   Sum: _____ Answer: _____

3. A festival had 476 people on Saturday and 158 on Sunday. How many people altogether?

   Sum: _____ Answer: _____

4. A lorry may carry 805 kilos. It already holds 349 kilos. How many kilos can still go in?

   Sum: _____ Answer: _____

C · MIXED

Set them out in columns and work them out in the box.

1. 458 + 367

2. 704 − 238

3. 296 + 548

4. 832 − 475

5. 587 + 276

6. 610 − 384

Column addition and subtraction to 1000

Working in columns with carrying and exchanging.

★ ★ ★ CHECK & CHALLENGE

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Name: _____ Class: _____ Date: _____

CHECK YOURSELF

Correct out of 6: ____

1. 365 + 278 = _____
2. 723 - 486 = _____
3. 549 + 283 = _____
4. 802 - 357 = _____
5. 476 + 395 = _____
6. 640 - 273 = _____

CHALLENGE

Turn the sum around

Check three of your answers with the inverse sum: for an addition take one number away again, for a subtraction add the answer back on. Does it work every time?

I CAN DO THIS

- I can add in columns with carrying.
- I can subtract in columns with exchanging.
- I can check my answer with an estimate.



TEACHER'S NOTE

Watch for exchanging across a zero (805 - 349): the classic stumbling block. Let weaker pupils exchange with base-ten blocks before writing it in columns. Estimating first prevents wildly wrong answers.

Column addition and subtraction to 1000

For the teacher

★ ★ ★

ANSWERS

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A · ADDITION WITH CARRYING

1. 347 + 285 = 632
2. 476 + 158 = 634
3. 529 + 284 = 813
4. 638 + 197 = 835
5. 265 + 476 = 741
6. 384 + 259 = 643

B · SUBTRACTION WITH EXCHANGING

1. 623 - 287 = 336
2. 805 - 349 = 456
3. 742 - 568 = 174
4. 530 - 276 = 254
5. 914 - 437 = 477
6. 681 - 395 = 286

C · MIXED

1. 458 + 367 = 825
2. 704 - 238 = 466
3. 296 + 548 = 844
4. 832 - 475 = 357
5. 587 + 276 = 863
6. 610 - 384 = 226

MATHS IN REAL LIFE

1. 632
2. 336
3. 634
4. 456
5. 813
6. 174

CHECK YOURSELF

1. 643
2. 237
3. 832
4. 445
5. 871
6. 367