Year 5 maths: Written addition and subtraction (Hard)

Maths · Number
Level: Hard

Student: _____ Date: _____

Instructions
- There are 10 questions. Read each one carefully.
- Write your answers on this paper. Use the space under a question to work it out.
- A grown-up can read a question aloud — that's fine.
- The answers are at the end. Check them together when you have finished.

Questions

1. Work out 345 678 + 289 745.

Answer: ☐

Working:

2. What is 54 987 + 38 756?

Circle one answer.

○ **A** 93 743 ○ **B** 82 633 ○ **C** 93 733 ○ **D** 93 843

3. What is 100 000 − 46 285?

Circle one answer.

○ **A** 53 815 ○ **B** 53 725 ○ **C** 53 715 ○ **D** 53 615

4. What is 300.5 − 142.85?

Circle one answer.

○ **A** 242.35 ○ **B** 157.65 ○ **C** 268.75 ○ **D** 158.65

5. Leo buys a jumper for $64.95 and a cap for $28.50. How much does he spend?

Answer: $ ☐

Working:

6. What number goes in the box? □ − 12 600 = 48 750

Circle one answer.

○ **A** 36 150 ○ **B** 61 250 ○ **C** 61 350 ○ **D** 60 350

7. A farm picked 24 650 apples, then 18 475 more. It packed 30 000 of them. How many apples are not packed yet?

Answer: _____ apples

Working:

8. Start at 640. Take away 90, then add 45, then take away 70, then add 135. What number do you end on?

Answer: _____

Working:

9. ? − 4387 = 2614. What is the missing number?

Answer: _____

Working:

10. A truck weighs 2.35 t empty. It carries 1.8 t of bricks and 0.45 t of sand. What is the total mass?

Answer: _____ t

Working:

Answer key

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1. 635 423

Ones: 8 + 5 = 13, write 3 and regroup 1 ten. Tens: 7 + 4 + 1 = 12, write 2 and regroup 1 hundred. Hundreds: 6 + 7 + 1 = 14, write 4 and regroup 1 thousand. Thousands: 5 + 9 + 1 = 15, write 5 and regroup 1 ten thousand. Ten thousands: 4 + 8 + 1 = 13, write 3 and regroup 1 hundred thousand. 345 678 + 289 745 = 635 423.

2. A — 93 743

Ones: 7 + 6 = 13, write 3 and regroup 1 ten. Tens: 8 + 5 + 1 = 14, write 4 and regroup 1 hundred. Hundreds: 9 + 7 + 1 = 17, write 7 and regroup 1 thousand. Thousands: 4 + 8 + 1 = 13, write 3 and regroup 1 ten thousand. 54 987 + 38 756 = 93 743.

3. C — 53 715

There are 0 tens, so trade 1 hundred thousand down through the zeros: it ends as 10 ones (9 in each place between). 100 000 − 46 285 = 53 715.

4. B — 157.65

Line up the decimal points. Trade across the point when you need to. 300.50 − 142.85 = 157.65.

5. $93.45

Line up the decimal points so tenths sit under tenths and hundredths under hundredths. 64.95 + 28.50 = 93.45.

6. C — 61 350

Undo the take away by adding: 48 750 + 12 600 = 61 350.

7. 13 125 apples

Picked: 24 650 + 18 475 = 43 125. Not packed: 43 125 − 30 000 = 13 125.

8. 660

640 − 90 = 550. 550 + 45 = 595. 595 − 70 = 525. 525 + 135 = 660.

9. 7001

Undo the subtraction by adding: 2614 + 4387 = 7001.

10. 4.6 t

2.35 + 1.80 + 0.45 = 4.60, so 4.6 t.