Written addition: revision

Add together 2582 and 3956.
Always estimate the answer first. It is approximately 2600 + 4000, which is 6600.

$$\begin{array}{r} {}^{1}2{}^{1}5\ 8\ 2 \\ +\ 3\ 9\ 5\ 6 \\ \hline 6\ 5\ 3\ 8 \end{array}$$

Step 1 2 + 6 = 8
Step 2 80 + 50 = 130
Step 3 100 + 500 + 900 = 1500
Step 4 1000 + 2000 + 3000 = 6000

1 Answer these.

a)
$$\begin{array}{r} 6\ 7\ 2\ 8 \\ +\ 2\ 7\ 4\ 0 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 3\ 1\ 2\ 8 \\ +\ 4\ 6\ 7\ 5 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 1\ 5\ 6\ 1 \\ +\ 2\ 9\ 1\ 8 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 4\ 8\ 7\ 0 \\ +\ 4\ 6\ 9\ 3 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 3\ 6\ 6\ 7 \\ +\ 3\ 8\ 4\ 3 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 2\ 0\ 3\ 5 \\ +\ 1\ 9\ 8\ 5 \\ \hline \end{array}$$

2 Answer these.

a) Add together 3945 and 5680.
b) What is 5929 and 3874 added together?
c) What is the sum of 2263 and 3815?
d) Total 5923 and 1946.
e) What is the total of 4328 and 2749?
f) What number is 4444 greater than 1991?

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3 Look at these amounts and work out the different totals.

a) A + E → $ ☐

b) D + C → $ ☐

c) B + D → $ ☐

d) C + E → $ ☐

e) E + D → $ ☐

4 Look at the price labels above and answer these.

a) What is the largest total that can be made by adding two of these prices?

b) What is the smallest total that can be made by adding two of these prices?

c) What is the total of the two odd number prices?

d) What is the total of the lowest price and the highest price?

e) Which two prices when added together would give a total price of $4474?

Try this

All the digits 1 and 3 are missing in this sum.
Write the digits 1 or 3 in the correct places to complete the addition.

	5	4	6	☐	8
+		7	9	☐	6	☐
☐	☐	☐		8	0	☐

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Written subtraction: revision

Example
What is 3674 subtract 1738?

Step 1

$$\begin{array}{r} 3\ 6\ {}^{6}\cancel{7}\ {}^{1}4 \\ -\ 1\ 7\ 3\ 8 \\ \hline \qquad\quad 6 \end{array}$$

Rename 70 + 4 as 60 + 14

14 – 8 = 6

Step 2

$$\begin{array}{r} 3\ 6\ {}^{6}\cancel{7}\ {}^{1}4 \\ -\ 1\ 7\ 3\ 8 \\ \hline \qquad 3\ 6 \end{array}$$

60 – 30 = 30

Step 3

$$\begin{array}{r} {}^{2}\cancel{3}\ {}^{1}6\ {}^{6}\cancel{7}\ {}^{1}4 \\ -\ 1\ 7\ 3\ 8 \\ \hline \quad 9\ 3\ 6 \end{array}$$

Rename 3000 + 600 as 2000 + 1600

1600 – 700 = 900

Step 4

$$\begin{array}{r} {}^{2}\cancel{3}\ {}^{1}6\ {}^{6}\cancel{7}\ {}^{1}4 \\ -\ 1\ 7\ 3\ 8 \\ \hline 1\ 9\ 3\ 6 \end{array}$$

2000 – 1000 = 1000

1 Complete these subtractions.

a)
$$\begin{array}{r} 8\ 3\ 9\ 1 \\ -\ 7\ 1\ 5\ 7 \\ \hline \qquad\qquad \end{array}$$

b)
$$\begin{array}{r} 5\ 1\ 0\ 6 \\ -\ 3\ 8\ 7\ 2 \\ \hline \qquad\qquad \end{array}$$

c)
$$\begin{array}{r} 6\ 7\ 3\ 2 \\ -\ 5\ 3\ 7\ 8 \\ \hline \qquad\qquad \end{array}$$

d)
$$\begin{array}{r} 8\ 5\ 4\ 4 \\ -\ 7\ 2\ 9\ 8 \\ \hline \qquad\qquad \end{array}$$

2 Calculate these.

a) What is 8391 subtract 3719?

b) What is the difference between 3846 and 7203?

c) Which number is 2948 less than 6149?

d) What is 4006 minus 1557?

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Addition and subtraction problems

When working out a problem, read the question carefully and look for the **key words** to help you solve it. Remember these four steps:

1 Read the problem.
Try to picture the problem and imagine going through it in real life.

2 Sort out the calculations.
Do you need to add or subtract to answer the problem?

3 Answer the calculations.

4 Answer the problem.
Look back at the question – what is it asking?

1 Newtown were playing their rivals Oldcastle at the football stadium. There were 42 910 Newtown supporters and 27 880 supporters from Oldcastle.
- **a)** How many supporters were there altogether?
- **b)** How many more Newtown supporters were there?

2 A survey showed that there were 9681 females and 9469 males living in a town. There were 30 013 people in the town. How many children were in the town?

3 A farmer sold 9428 eggs at the market last month and 6847 eggs this month.
- **a)** How many eggs did he sell altogether?
- **b)** How many more eggs did he sell last month?

4 A library has 2845 books. 1039 of the books are reference books and the rest are fiction. 87 of the reference books and 276 of the fiction books are out on loan. How many books are there left in the library?

5 A shop buys 1045 copies of the Morning Gazette. It sells 768 copies in the morning and 237 copies in the afternoon.
- **a)** How many copies does it sell altogether?
- **b)** How many copies does it have left at the end of the day?

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