

## ~~Y5/6 Revision, Unit 2 (56024)~~

### ~~Additional teacher instructions for practice sheets~~

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

#### ~~Day 1 Y5/Y6 Addition and subtraction practice Sheet 1~~

~~Y5/Y6 Working towards ARE / Working at ARE / Greater Depth~~

~~Y5 Working towards ARE/Working at ARE answer questions 1 to 10.~~

~~Y5 Greater Depth also answer questions 11 to 14.~~

~~Y6 Working towards ARE answer questions 1 to 10 so that their calculations only include 3 digit and 4 digit numbers.~~

~~Working at ARE answer questions 1, 3, 5, 7, 9, 11 and then as many as they can.~~

~~Greater Depth answer questions 11 to 20.~~

#### ~~Day 2 Y5 Two-step problems Sheet 1~~

~~Working towards ARE~~

#### ~~Day 2 Y5 Two-step problems Sheet 2~~

~~Working at ARE / Greater Depth~~

#### ~~Day 2 Y6 Multistep problems Sheet 3~~

~~Working towards ARE~~

#### ~~Day 2 Y6 Multi-step problems Sheet 4~~

~~Working at ARE / Greater Depth~~

# Addition and subtraction practice

## Sheet 1

1.  $534 + 279$     2.  $837 + 425$     3.  $985 - 426$     4.  $837 - 253$

5. Write the missing digits to make the addition correct.

$$\begin{array}{r} 1 \square 1 \\ + \square 1 \square \\ \hline 800 \end{array}$$

6. Write the missing digits to make the addition correct.

$$\begin{array}{r} 1 \square 1 \\ + \square 1 \square \\ \hline 1000 \end{array}$$

7.  $4357 + 1068$     8.  $8428 + 4623$     9.  $9347 - 4253$     10.  $8823 - 5378$

11. Write the missing digits to make the addition correct.

$$\begin{array}{r} 5 \quad 2 \quad \square \quad \square \\ + \square \quad \square \quad 2 \quad 3 \\ \hline 8091 \end{array}$$

12. Write the missing digits to make the addition correct.

$$\begin{array}{r} \square \quad 2 \quad \square \quad 6 \\ + 3 \quad \square \quad 5 \quad \square \\ \hline 10000 \end{array}$$

13. Write an addition of two 4-digit numbers such that the total rounds to 8000 when rounded to the nearest multiple of 1000.

$$\square\square\square\square + \square\square\square\square$$

14. Write a subtraction of two 4-digit numbers such that the answer rounds to 4000 when rounded to the nearest multiple of 1000.

$$\square\square\square\square - \square\square\square\square$$

15.  $54,275 + 23,482$     16.  $63,867 + 52,104$     17.  $85,372 - 41,825$     18.  $56,231 - 38,820$

19. Write an addition of two 5-digit numbers such that the total rounds to 100,000 when rounded to the nearest multiple of 10,000.

$$\square\square\square\square\square + \square\square\square\square\square$$

20. Write a subtraction of two 5-digit numbers such that the total rounds to 50,000 when rounded to the nearest multiple of 10,000.

$$\square\square\square\square\square - \square\square\square\square\square$$

## Two-step problems

### Sheet 1

1. Claire buys 2 packs of batteries for £3.49 each.  
How much change will she get from £10?
2. Two children are baking for charity. They sell 100 cakes at £1 each and spend £25.60 on ingredients.  
How much profit do they have to give to their chosen charity?
3. Sam is reading a book with 150 pages, he reads 12 pages each day.  
After a week, how many pages does he have left to read?
4. Dana drinks 2 litres of water a day. She used to drink  $1\frac{1}{2}$  litres a day.  
How much extra water does she drink in a month of 30 days?
5. A cycling helmet did cost £42.80 but is now half price in the sale.  
Gloves cost £7.95 and socks cost £4.50; these are not in the sale.  
Dan has £40.  
Does he have enough money to buy the helmet, gloves and socks?
6. Katya ordered 2 books costing the same price from an internet site.  
The total cost including £3.95 postage was £16.95.  
What was the price of each book?

## Two-step problems

### Sheet 2

1. Claire buys 3 packs of batteries for £2.89 each.  
How much change will she get from £10?
2. Two children are baking for charity.  
They sell 100 cakes at 75p each and spend £17.42 on ingredients.  
How much profit do they have to give to their chosen charity?
3. Sam is reading a book with 250 pages, he reads 12 pages each day.  
After 2 weeks, how many pages does he have left to read?
4. Dana drinks 2 litres of water a day. She used to drink  $1\frac{1}{2}$  litres a day.  
How much extra water does she drink in a year (not a leap year)?
5. A cycling helmet did cost £43.50 but is now half price in the sale.  
Gloves cost £7.95 and socks cost £4.95; these are not in the sale.  
Dan has £35.  
Does he have enough money to buy the helmet, gloves and socks?
6. Katya ordered 4 books costing the same price from an internet site.  
The total cost including £3.95 postage was £21.95.  
What was the price of each book?

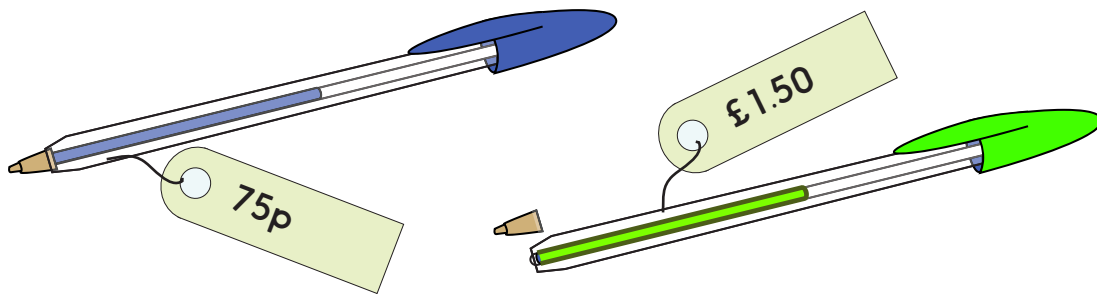
# Multi-step problems

## Sheet 3

Solve the word problems below.

Be sure to show your workings out clearly as well as the answers.

1. Jamie buys a bunch of flowers costing £12.50, a mug costing £4.75, and a card costing £2.79 for his mum's birthday.  
How much did he have left over from £30?
2. Two children bake cakes for a charity cake sale.  
They spend £15.65 on ingredients and sell 100 cakes at 50p each.  
How much profit do they have to give to their chosen charity?
3. Samir bought four pens.  
She spent between £4 and £5 and bought both sorts of pens.  
How many of each type of pen might she have bought?



4. Ruth ordered four identical books from an internet site for her grandchildren. The total cost including £4.50 postage was £22.50. What was the price of each book?
5. A new internet site has 56,782 hits so far this month.  
How many hits do they need to reach their monthly target of 100,000 hits?
6. A giant bamboo grows at a rate of 30cm a day.  
It begins the week at 1.45 metres tall.  
How tall will it be at the end of the week?

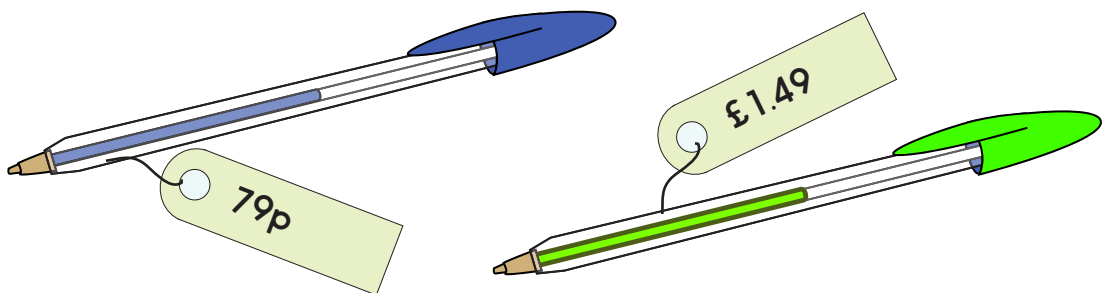
# Multi-step problems

## Sheet 4

Solve the word problems below.

Be sure to show your workings out clearly as well as the answers.

1. Jamie buys a bunch of flowers costing £12.49, a mug costing £4.75, two cards costing £2.79 each for his mum's birthday as a present from him and his younger sister.  
How much did he have left over from £30?
2. Two children bake cakes for a charity cake sale.  
They spend £15.67 on ingredients and sell 108 cakes at 50p each.  
How much profit do they have to give to their chosen charity?
3. Samir bought four pens. She spent between £4 and £5 and bought both sorts of pens.  
How many of each type of pen might she have bought?



4. Ruth ordered four identical books from an internet site for her grandchildren. The total cost including £4.75 postage was £30.75.  
What was the price of each book?
5. A new internet site has 16,782 hits in week 1, 28,271 hits in week 2, and 32,143 hits in week 3.  
How many hits do they need to reach their monthly target of 100,000 hits?
6. A giant bamboo grows at a rate of 30cm a day.  
It begins the month at 1.45 metres tall.  
Will it reach 10 metres by the end of the month?  
(There are 31 days this month.)

# Revision

## Answers

### Day 1 Y5/Y6 Addition and subtraction practice Sheet 1

1.  $534 + 279 = 813$
2.  $837 + 425 = 1262$
3.  $985 - 426 = 559$
4.  $837 - 253 = 584$
5. 
$$\begin{array}{r} 181 \\ + 619 \\ \hline 800 \end{array}$$
6. 
$$\begin{array}{r} 181 \\ + 819 \\ \hline 1000 \end{array}$$
7.  $4357 + 1068 = 5425$
8.  $8428 + 4623 = 13,051$
9.  $9347 - 4253 = 5094$
10.  $8823 - 5378 = 3445$
11. 
$$\begin{array}{r} 5268 \\ + 2823 \\ \hline 8091 \end{array}$$
12. 
$$\begin{array}{r} 6246 \\ + 3754 \\ \hline 10000 \end{array}$$
13. e.g.  $3546 + 4537 = 8083$
14. e.g.  $8176 - 4199 = 3977$
15.  $54,275 + 23,482 = 77,757$
16.  $63,867 + 52,104 = 115,971$
17.  $85,372 - 41,825 = 43,547$
18.  $56,231 - 38,820 = 17,411$
19. e.g.  $57,351 + 45,876 = 103,227$
20. e.g.  $97,354 - 45,673 = 51,681$

### Day 2 Y5 Two-step problems Sheet 1

1.  $2 \times £3.49 = £6.98$        $£10 - £6.98 = £3.02$  change
2.  $100 \times £1 = £100$        $£100 - £25.60 = £74.40$  profit for charity
3.  $12 \times 7 = 84$        $150 - 84 = 66$  pages left to read
4.  $2 \times 30 = 60$        $1\frac{1}{2} \times 30 = 45$        $60 - 45 = 15$  litres extra water
5.  $£42.80 \div 2 = £21.40$        $£21.40 + £7.95 + £4.50 = £33.85$   
 $£40 - £33.85 = £6.15$ , so yes Dan has enough money.
6.  $£16.95 - £3.95 = £13$        $£13 \div 2 = £6.50$  is the cost of each book.

# Revision

## Answers

### Day 2 Y5 Two-step problems Sheet 2

- $3 \times £2.89 = £8.67$        $£10 - £8.67 = \text{£1.33 change}$
- $100 \times 75\text{p} = £75$        $£75 - £17.42 = \text{£57.58 profit for charity}$
- $12 \times 14 = 168$        $250 - 168 = 82 \text{ pages left to read}$
- $2 \times 365 = 730$        $1\frac{1}{2} \times 365 = 547.5$        $730 - 547.5 = 182.5 \text{ litres extra water}$
- $£43.50 \div 2 = £21.75$        $£21.75 + £7.95 + £4.95 = £34.65$   
 $£35 - £34.65 = 35\text{p, so yes Dan has just enough money}$
- $£21.95 - £3.95 = £18$        $£18 \div 4 = \text{£4.50 is the cost of each book.}$

### Day 2 Y6 Solving multi-step problems Sheet 3

- $£12.50 + £4.75 + £2.79 = £20.04$   
 $£30.00 - £20.04 = \text{£9.96}$
- $(100 \times £0.50) - £15.65 = \text{£34.35}$
- 2 of each.  
 $0.75 \times 2 + £1.50 \times 2 = \text{£4.50}$
- $(£22.50 - £4.50) \div 4 = \text{£4.50}$
- $100,000 - 56,782 = 43,218 \text{ hits}$
- $1.45\text{m} + (0.30 \times 7) = 3.55 \text{ metres}$

### Day 2 Y6 Solving multi-step problems Sheet 4

- $£12.49 + £4.75 + £2.79 + £2.79 = £22.82$   
 $£30.00 - £22.82 = \text{£7.18}$
- $(108 \times £0.50) - £15.67 = \text{£38.33}$
- $£0.79 \times 2 + £1.49 \times 2 = \text{£4.56}$
- $£30.75 - £4.75 \div 4 = \text{£6.50}$
- $16,782 + 28,271 + 32,143 = 77,196$   
 $100,000 - 77,196 = 22,804 \text{ hits}$
- Yes.  
 $1.45 + (0.30 \times 31) = 10.75 \text{ metres}$