

## Maths - Activity 1

LO: To add and subtract numbers with up to 4 digits.

Core skill - Solve these calculations using column method

$$\begin{array}{r} 1. \ 6624 \\ +2584 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \ 3457 \\ +4732 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \ 3584 \\ +3445 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \ 5493 \\ +2608 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \ 9463 \\ -3841 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \ 4557 \\ +4249 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \ 7460 \\ -5374 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \ 5400 \\ -2649 \\ \hline \end{array}$$

Depth task - Solve the word problems below using your knowledge of column method.

1. Mount Everest is 8,848m tall and Mount K2 is 8,611m. How much taller is Mount Everest than Mount K2?

2. Mr Wareing travels 2454 metres on Monday and he travels 1459 metres on Tuesday. How many metres did he travel altogether?

3. A shop sells 4308 cartons of milk in a week. The same shop sells 2949 loaves of bread. How many more cartons of milk were sold compared to bread?

Greater Depth

There were 5000 seeds in a packet of grass seeds. A gardener sprinkles 2309 seeds on the ground during the day.

He says,



$$\begin{array}{r} 5000 \\ -2309 \\ \hline 3301 \end{array}$$

Is he correct? Explain your reasoning.

LO: To add and subtract numbers with up to 4 digits.

1. 4382m  
+3948m

2. 3457ml  
+4732ml

3. 1450g  
+2365g

4. 4832m  
+3698m

5.  $\begin{array}{r} 3847\text{g} \\ - 3129\text{g} \\ \hline \end{array}$       6.  $\begin{array}{r} 5203\text{ml} \\ + 3142\text{ml} \\ \hline \end{array}$       7.  $\begin{array}{r} 2392\text{cm} \\ - 1464\text{cm} \\ \hline \end{array}$       8.  $\begin{array}{r} 5423\text{g} \\ - 3906\text{g} \\ \hline \end{array}$

1. On Monday, Essa cycles 1609 metres. On Tuesday, he cycles 4023 metres. How many metres did he cycle in two days?

2. Yusuf has a 2500ml bottle of fizzy drink. He pours 1479ml into cups during a party. How many millilitres are left?

3. Zain's mom pours 4 935ml of water from a watering can to water the flowers in his garden. She pours the same amount the following day. How many millilitres has she poured altogether?

The table shows heights of different mountains.

| Mountain          | Height in metres |
|-------------------|------------------|
| Mount Everest     | 8,848            |
| Mount Kilimanjaro | 5,895            |
| Ben Nevis         | 1,344            |

How much higher is Mount Everest than the combined height of the other two mountains?

Show  
your  
method

m

## Maths - Activity 3

LO: To estimate, compare and calculate different measures, including money in pounds and pence.

### Core Skill

To estimate my answer I can round to the nearest pound or to the nearest 10 pound. Remember we round down if the tenths digit is 1, 2, 3 or 4. We round up if the tenths digit is 5, 6, 7, 8 or 9.

Match the amount with an appropriate estimate.

| Amount          |
|-----------------|
| £13.20 + £17.80 |
| £35.41 + £11.79 |
| £35.60 + 11.30  |
| £21.35 + £15.80 |

| Estimate  |
|-----------|
| £21 + £16 |
| £13 + £17 |
| £35 + £11 |
| £40 + £10 |

### Depth task

Complete the following calculations.

$$\begin{array}{r} 1. \quad £13.54 \\ + £24.54 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad £22.99 \\ + £15.65 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad £34.98 \\ - £25.45 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad £24.54 \\ - £12.38 \\ \hline \end{array}$$

5. Mr Wareing buys blue oil paint that costs £15.49 and red oil paint that costs £17.50. How much does he spend all together?

6. Hassan buys 2 books. One book costs £8.99 and the other costs £14.99. How much did both books cost?

### Greater Depth

Work out the missing number problems

$$\begin{array}{r} \quad \quad 4 \quad 4 \quad \square \quad 5 \\ + \quad \quad \square \quad 6 \quad \square \\ \hline \quad \quad 4 \quad 6 \quad 9 \quad 0 \end{array}$$

$$\begin{array}{r} \quad \quad 4 \quad \square \quad 5 \quad \square \\ + \quad \quad 7 \quad \square \quad 5 \\ \hline \quad \quad 5 \quad 1 \quad 1 \quad 9 \end{array}$$

## Maths - Activity 4

LO: To add and subtract numbers with up to 4 digits, including money in pounds and pence.

Core skill - Solve the calculations below using column method.

$$\begin{array}{r} 1. \text{ £12.90} \\ + \text{£24.56} \\ \hline \end{array}$$

$$\begin{array}{r} 2. \text{ £24.45} \\ + \text{£42.64} \\ \hline \end{array}$$

$$\begin{array}{r} 3. \text{ £34.99} \\ - \text{£15.90} \\ \hline \end{array}$$

$$\begin{array}{r} 4. \text{ £17.90} \\ - \text{£14.58} \\ \hline \end{array}$$

$$\begin{array}{r} 5. \text{ £15.48} \\ - \text{£12.95} \\ \hline \end{array}$$

$$\begin{array}{r} 6. \text{ £38.56} \\ + \text{£10.44} \\ \hline \end{array}$$

$$\begin{array}{r} 7. \text{ £48.20} \\ - \text{£29.18} \\ \hline \end{array}$$

$$\begin{array}{r} 8. \text{ £30.60} \\ - \text{£16.46} \\ \hline \end{array}$$

Depth task - Solve the word problems below using your knowledge of addition and subtraction.

1. A Fortnite lunchbox has been reduced in price. It cost £12.45 to begin with. How much would it cost after being reduced by £3.50?

2. Ali buys a new pair of trainers for £22.54 and a jumper for £10.99. How much does he spend altogether?

3. On Sunday, Aleena spends £25.60 at the shop. The following week, she spends £6.45 less. How much did she spend the following week?

Greater Depth - Can you solve the two-step problem?

Armaan buys three boxes of cereal for £2.85 each. How much change will he receive from a £10 pound note?

## Answers

### Activity 1

Core skill

$$\begin{array}{r} 1. \ 6624 \\ +2584 \\ \hline 9208 \\ 11 \end{array}$$

$$\begin{array}{r} 2. \ 3457 \\ +4732 \\ \hline 8189 \\ 1 \end{array}$$

$$\begin{array}{r} 3. \ 3584 \\ +3445 \\ \hline 7029 \\ 11 \end{array}$$

$$\begin{array}{r} 4. \ 5493 \\ +2608 \\ \hline 8101 \\ 1 \end{array}$$

$$\begin{array}{r} 5. \ 9463 \\ -3841 \\ \hline 5622 \end{array}$$

$$\begin{array}{r} 6. \ 4557 \\ +4249 \\ \hline 8786 \\ 1 \end{array}$$

$$\begin{array}{r} 7. \ 7460 \\ -5374 \\ \hline 2086 \end{array}$$

$$\begin{array}{r} 8. \ 5600 \\ -2549 \\ \hline 3051 \end{array}$$

Depth task

1. Mount Everest is 8,848m tall and Mount K2 is 8,611. How much taller is Mount Everest than Mount K2?

$$8848 - 8611 = 237$$

2. Mr Wareing travels 2454 metres on Monday and he travels 1459 metres on Tuesday. How many metres did he travel altogether?

$$2454 + 1459 = 3913$$

3. A shop sells 4308 cartons of milk in a week. The same shop sells 2949 loafs of bread. How many more cartons of milk were sold compared to bread?

$$4308 - 2949 = 1359$$

Greater Depth

There were 5000 seeds in a packet of grass seeds. A gardener sprinkles 2309 seeds on the ground during the day.

he says

Is he correct? Explain your reasoning.



$$\begin{array}{r} 5000 \\ -2309 \\ \hline 3301 \end{array}$$

He is not correct, he must regroup 3 times to be able to subtract the ones. His answer should look like this:

$$\begin{array}{r} 499 \\ 5000 \\ -2309 \\ \hline 2691 \end{array}$$

## Activity 2

Core skill - Add or subtract the 4 digit number below using column method.

$$\begin{array}{r} 1. \ 4382\text{m} \\ +3948\text{m} \\ \hline 8330\text{m} \\ 111 \end{array}$$

$$\begin{array}{r} 2. \ 3457\text{ml} \\ +4732\text{ml} \\ \hline 8189\text{ml} \\ 1 \end{array}$$

$$\begin{array}{r} 3. \ 1450\text{g} \\ +2365\text{g} \\ \hline 3815\text{g} \\ 1 \end{array}$$

$$\begin{array}{r} 4. \ 4832\text{m} \\ +3698\text{m} \\ \hline 8530\text{m} \\ 111 \end{array}$$

$$\begin{array}{r} 5. \ 3847\text{g} \\ -3129\text{g} \\ \hline 716\text{g} \end{array}$$

$$\begin{array}{r} 6. \ 5203\text{ml} \\ +3142\text{ml} \\ \hline 8345\text{ml} \end{array}$$

$$\begin{array}{r} 7. \ 2392\text{cm} \\ -1464\text{cm} \\ \hline 928\text{cm} \end{array}$$

$$\begin{array}{r} 8. \ 5423\text{g} \\ -3906\text{g} \\ \hline 1517\text{g} \end{array}$$

Depth task - Solve the word problems using addition or subtraction column method.

1. On Monday, Essa cycles 1609 metres. On Tuesday, he cycles 4,023 metres. How many metres did he cycle in two days?

$$1609\text{m} + 4,023\text{m} = 5632\text{m}$$

2. Yusuf has a 2550ml bottle of fizzy drink. He pours 1479ml into cups during a party. How many millilitres are left?

$$2550\text{ml} - 1479\text{ml} = 771\text{ml}$$

3. Zain's mom pours 4,935ml of water from a watering can to water the flowers in his garden. She pours the same amount the following day. How many millilitres has she poured altogether?

$$4,925 + 4,925 = 9870\text{ml}$$

### Greater Depth

The tables shows heights of different mountains.

| Mountain          | Height in metres |
|-------------------|------------------|
| Mount Everest     | 8,848            |
| Mount Kilimanjaro | 5,895            |
| Ben Nevis         | 1,344            |

How much higher is Mount Everest than the combined height of the other two mountains?

Show your method

$$\begin{array}{r} 5895 \\ +1344 \\ \hline 7239 \\ 11 \end{array}$$

$$\begin{array}{r} 8848 \\ -7239 \\ \hline 1609 \end{array}$$

1609

m

### Activity 3

Match the amount with an appropriate estimate.

| Amount          | Estimate  |
|-----------------|-----------|
| £13.20 + £17.80 | £21 + £16 |
| £35.41 + £11.79 | £13 + £17 |
| £35.60 + 11.30  | £35 + £11 |
| £21.35 + £15.80 | £40 + £10 |

#### Depth task

Complete the following calculations.

$$\begin{array}{r} 1. \quad £13.54 \\ + £24.54 \\ \hline £38.08 \\ 1 \end{array}$$

$$\begin{array}{r} 2. \quad £22.99 \\ + £15.65 \\ \hline £38.64 \\ 1 \quad 1 \end{array}$$

$$\begin{array}{r} 3. \quad £34.98 \\ - £25.45 \\ \hline £09.53 \end{array}$$

$$\begin{array}{r} 4. \quad £24.54 \\ - £12.38 \\ \hline £12.16 \end{array}$$

5. Mr Wareing buys blue oil paint that costs £15.49 and red oil paint that costs £17.50. How much does he spend all together?

$$£15.49 + £17.50 = £32.99$$

6. Hassan buys 2 books. One book costs £8.99 and the other cost 14.99. How much did both books cost?

$$£8.99 + £14.99 = £24.98$$

#### Greater Depth

Work out the missing number problems

$$\begin{array}{r} \quad 4 \quad 4 \quad \boxed{2} \quad 5 \\ + \quad \boxed{2} \quad 6 \quad \boxed{5} \\ \hline \quad 4 \quad 6 \quad 9 \quad 0 \end{array}$$

$$\begin{array}{r} \quad 4 \quad \boxed{3} \quad 5 \quad \boxed{6} \\ + \quad \quad 7 \quad \boxed{4} \quad 5 \\ \hline \quad 5 \quad 1 \quad 1 \quad 9 \end{array}$$

## Activity 4

Core skill - Solve the calculations below using column method.

|                                             |                                               |                                               |                                              |
|---------------------------------------------|-----------------------------------------------|-----------------------------------------------|----------------------------------------------|
| 1. £12.90<br>+£24.56<br><u>£37.46</u><br>1  | 2. £24.45<br>+£42.64<br><u>£67.09</u><br>1 1  | 3. £34.99<br>- £15.90<br><u>£19.09</u><br>2   | 4. £17.90<br>-£14.58<br><u>£03.32</u><br>8   |
| 5. £15.48<br>- £12.95<br><u>£02.53</u><br>4 | 6. £38.56<br>+ £10.44<br><u>£49.00</u><br>1 1 | 7. £48.20<br>- £29.18<br><u>£19.02</u><br>3 1 | 8. £30.60<br>-£16.46<br><u>£14.14</u><br>2 5 |

Depth task - Solve the word problems below using your knowledge of addition and subtraction.

1. A Fortnite lunchbox has been reduced in price. It cost £12.45 to begin with. How much would it cost after being reduced by £3.50?

$$£12.45 - £3.50 = £8.95$$

2. Ali buys a new pair of trainers for £22.54 and a jumper for £10.99. How much does he spent altogether?

$$£22.54 + £10.99 = £33.53$$

3. On Sunday, Aleena spends £25.60 at the shop. The following week, she spends £6.45 less. How much did she spend the following week?

$$£25.60 - £6.45 = £19.15$$

Greater Depth - Can you solve the two step problem?

Armaan buys three boxes of cereal for £2.85 each. How much change will he receive from a £10 pound note?

$$£2.85$$

$$£2.85$$

$$+£2.85$$

$$£8.55$$

$$21$$

$$£10.00 - £8.25 = £1.75$$

Armaan will have £1.75 in change.