

### Early Morning Maths - Monday

1.  $7 \times 8 \times 0 =$
2.  $5.14 + 2.58 =$
3.  + 104 = 315
4.  $1600 \div 4 =$
5.  $\frac{1}{8} + \frac{3}{8} =$
6.  $678 \times 96 =$
7.  $\frac{1}{4} \times 3 =$

### Problem solving:

Peter has saved £190. His grandmother gives him £50 for his birthday, and he then spends £80 on some new computer games.

How much does he have left?

(Don't forget to show your working out)



### Early Morning Maths - Tuesday

1.  = 2456 - 1989
2.  $8^2 =$
3.  $\frac{1}{4}$  of 1600 =
4.  $\frac{14}{15} + \frac{2}{5} =$
5.  $60 \times 40 =$
6.  $\frac{1}{2} \times 60 =$
7.  $0.1 \times 10 =$

### Problem solving:

George says that he added 48 to 375 in his head.

Explain here how he might have done this and write the answer.



### Early Morning Maths - Wednesday

1.  $501,460 = 500,000 + \text{} + 400 + \text{}$
2.  $2564 \times 37 =$
3.  $12.2 \div 10 =$
4.  $\frac{7}{9} - \frac{1}{3} =$
5.  $4^2 + 6^2 =$
6.  $4 \times 6 \times 5 =$
7.  $5874 \div 3 =$

### Problem solving:

Here is a bus timetable.

Destination	Departs (24 hour clock)	Departs (am/pm time)	Arrives (am/pm time)
Cardiff	07:15	<input type="text"/>	10:20 am
Manchester	<input type="text"/>	6:50 pm	12:10 am
Edinburgh	13:30	<input type="text"/>	10:10 pm

a) Complete the missing departure times in the table.

b) How long does the journey take to Cardiff?

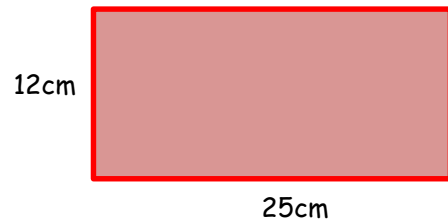
c) Robbie takes the bus to Manchester and Lucy takes the bus to Edinburgh. How many hours before Robbie arrives in Manchester does Lucy arrive in Edinburgh?

### Early Morning Maths - Thursday

1. Write 0.36 as a fraction.
2.  $12.3 - 9.58 =$
3.  $\frac{1}{2} + \frac{3}{8} =$
4. Complete the sequence:  
 $?, ?, 401,324, 402,324, 403,324, ?, ?$
5.  $1\frac{3}{15} - \frac{2}{5} =$
6. Calculate the answer to this and write your answer in roman numerals and normal numbers:  
 $\text{XCVII} + \text{MDCCIX} =$
7. What is the value of the underlined number?  
 $4\ 5\ 6\ 7\ 1\ 3.\underline{0}\ 8$

#### Problem solving:

What is the **area** and **perimeter** of this rectangle?



### Early Morning Maths - Friday

1. Write 25% as a fraction.
2.  $2,546,100 \div 1000 =$
3.  $4.12 + 81.2 =$
4. (Pre -T)  $44 \times 0.5 =$
5.  $1398 \times 53 =$
6. Write the five numbers in order, from largest to smallest:  
 $965\ 908, 96\ 590, 956\ 908, 965\ 809, 96\ 950$
7. Write these mixed numbers as improper fractions:
  - a)  $1\frac{6}{8}$
  - b)  $3\frac{3}{5}$
  - c)  $2\frac{9}{10}$

#### Problem solving:

Jane has a £20 note. She spends £12.60 on a ticket to the cinema.

- a) How much change does she get?
- b) She then buys some popcorn for £1.45.  
How much does she have left?



## Answers:

(I hope I get them right this week! Apologies for the mistakes in last week's answers! It just goes to show that we ALL make mistakes sometimes. I must try not to rush! 😊)

### Monday

- 0
- 7.72
- $\boxed{211} + 104 = 315$
- 400
- $\frac{4}{8}$  or  $\frac{2}{4}$  or  $\frac{1}{2}$  (any of these is acceptable)
- 65,088
- $\frac{3}{4}$

Problem solving:

$$£190 + £50 = 240 \quad £240 - £80 = £160 \quad \text{Answer} = £160$$

### Tuesday

- $\boxed{467} = 2456 - 1989$
- 64
- 400
- $\frac{20}{15}$  or  $1\frac{5}{15}$  or  $1\frac{1}{3}$  (any of these is acceptable)
- 2400
- 30
- 1

Problem solving:

50 is 2 more than 48. George could add 50 to 375 in his head and then take off the extra 2.  
 $375 + 50 = 425$  then  $425 - 2 = 423$

### Wednesday

- $501,460 = 500,000 + \boxed{1000} + 400 + \boxed{60}$
- 94,868
- 1.22
- $\frac{4}{9}$
- $16 + 36 = 52$
- 120
- 1958

Problem solving (This was quite tricky!):

- The missing times are: 7:15 am, 18:50 and 1.30pm
- 7.15am to 10.20am = 3 hours and 5 minutes (Hint: Did you use a number line?)
- Robbie arrives in Manchester at 12.10am (the next day). Lucy arrives in Edinburgh at 10.10pm. Lucy therefore arrives 2 hours before Robbie (Hint: Did you use a number line?)

### Thursday

- $\frac{36}{100}$  or  $\frac{18}{50}$  or  $\frac{9}{25}$  (any of these is acceptable)
- 2.72
- $\frac{7}{8}$
- 399 324, 400 324, 401 324, 402 324, 403 324, 404 324, 405 324
- $\frac{12}{15}$  or  $\frac{4}{5}$
- $97 + 1709 = 1806$

7. 0.08 or  $\frac{8}{100}$  or 8 hundredths (do not accept just hundredths or  $\frac{1}{100}$ )

Problem solving:

$$\text{Area} = 12\text{cm} \times 25\text{cm} = 300\text{ cm}^2$$

$$\text{Perimeter} = 25\text{cm} + 12\text{cm} + 25\text{cm} + 12\text{cm} = 74\text{ cm (Remember: Prunella snail loves to slide around shapes!)}$$

### Friday

1.  $\frac{25}{100}$  or  $\frac{1}{4}$
2. 2546.1
3. 85.32
4. 22
5. 74094
6. 965 908, 965 809, 956 908, 96 950, 96 590
7. a)  $\frac{14}{8}$  or  $\frac{7}{4}$     b)  $\frac{18}{5}$     c)  $\frac{29}{10}$

Problem solving:

$$\text{a) } £20.00 - 12.60 = £7.40$$

$$\text{b) } £7.40 - £1.45 = £5.95$$