

## Year 6 Home Learning – Maths Week 10

Arithmetic Practice – Set a 5 minute timer to complete the 5 questions in each section. You don't have to do all 25 questions in 5 minutes! You can do one section per day or do all at once – but make sure you set your timer for 25 minutes instead! If you have forgotten a method, let me know and I will create a short video to help you remember!

**A**

1.  $\frac{1}{3} \times \frac{1}{3} = \frac{1}{9}$

2.  $674.32 \times 100 = 67,432$

3.  $345 \div 13 = 26 \text{ r}7$

4.  $6.53 + 1.34 = 7.87$

5.  $91.32 + 15.84 = 107.16$

6.  $2^3 = 8$

**B**

1.  $7 \times 9 = 63$

2.  $\frac{2}{5} \times \frac{1}{3} = \frac{2}{15}$

3.  $653 \div 100 = 6.53$

4.  $693 \div 18 = 38 \text{ r}9$

5.  $4^3 = 64$

6.  $87.32 + 13.78 = 101.1$

**C**

1.  $65 + 85 = 150$

2.  $9,932 - 3,876 = 6,056$

3.  $\frac{2}{3} + \frac{2}{3} = \frac{4}{3}$  or  $1\frac{1}{3}$

4.  $\frac{4}{7} \times \frac{1}{2} = \frac{4}{14}$

5.  $653 \div 21 = 31 \text{ r}2$

6.  $660 + 200 = 860$

**D**

1.  $718.12 + 34.67 = 752.79$

2.  $5.6 + 1.4 = 7$

3.  $54 \times 21 = 1,134$

4.  $983 - 183 = 800$

5.  $5^3 = 125$

6.  $\frac{3}{4}$  of  $80 = 60$

**E**

1.  $87.321 + 9.943 = 97.264$

2.  $\frac{2}{5} \times 100 = 40$

3.  $873 \div 21 = 41 \text{ r}12$

4.  $\frac{1}{6} \times \frac{3}{5} = \frac{3}{30}$

5.  $5,652 \times 10 = 56,520$

6.  $60 \times 30 = 1,800$

## Lesson 1

$$\begin{array}{r} 34,621 \\ 25,734 \\ \hline \end{array} +$$

60,355

I didn't exchange correctly

$$\begin{array}{r} '6'7, '832 \\ 5258 \\ \hline \end{array} +$$

73,090

I didn't line up the numbers correctly

$$\begin{array}{r} 3, '78^5', 325 \\ * \\ 938,052 \\ \hline \end{array} -$$

3,823,273

I subtracted incorrectly in the 10s column

$$\begin{array}{r} 3, '8'34, '50'1 \\ 291,306 \\ \hline \end{array} -$$

543,195

I exchanged incorrectly over a 0

Word problems:

- A) £249,000
- B) £20.34
- C) 48 minutes
- D) 904

Missing numbers:

1.  $6804 + 193 = 1997$
2.  $153,146 + 122,632 = 275778$
3.  $36,981 - 21,340 = 25,641$
4.  $431,495 - 10,173 = 421,322$  (the two missing numbers together can be any combination of one digit numbers that subtract to equal 3)

## Lesson 2

Multiplication:

- 1)  $37 \times 23 = 851$
- 2)  $246 \times 14 = 3,444$

Short division:

- 1)  $12,309 \div 3 = 4103$
- 2)  $3,192 \div 7 = 456$

Long division:

- 1)  $481 \div 13 = 37$
- 2)  $9,510 \div 15 = 634$

Multiplication mistakes:

- 1)  $163 \times 14 = 2282$  – mistake was  $163 \times 10 = 1630$  not 163!
- 2)  $39 \times 25 = 975$  – mistake was not adding the exchanges correctly.

Division mistakes:

- 1)  $4151 \div 7 = 593$  – the mistake was an incorrect remainder, it should have been remainder 2 which gives 21 in the ones column
- 2)  $352 \div 11 = 32$  – the mistake was not dropping down the 2 in the ones column to create the new calculation of  $22 \div 11$  for the final number.