

## 6<sup>th</sup> class Math Group Work- Ms. Sheridan

Week: Monday 18<sup>th</sup> May- 22<sup>nd</sup> May

Hello girls,

I hope everyone is doing well and keeping safe. I have attached below a list of daily work for you to complete over the next week if you can. Just try your best. If you get stuck, please don't worry just move on to the next question.

I am really looking forward to seeing everyone again 😊

See you soon,

Ms. Sheridan

### Monday

- Maths Challenge – 1 per day. Continue on from where you have stopped.
- Tables- Multiplication and Division – x10  
If possible, play this game to revise your 10 times tables.  
<https://www.timestables.com/10-times-table.html>

### Division

#### Long division with bigger numbers

We do long division with bigger numbers in the same way.

$$\begin{array}{r} 279 \\ 28 \overline{) 7824} \\ \underline{- 56} \phantom{0} \\ 222 \phantom{0} \\ \underline{- 196} \phantom{0} \\ 264 \\ \underline{- 252} \\ 12 \end{array}$$

The 2 is crossed out and brought down to here.

The 4 is crossed out and brought down to here.

Ans: 279 R 12

$$\begin{array}{r} 218 \\ 43 \overline{) 9374} \\ \underline{- 86} \phantom{0} \\ 77 \\ \underline{- 43} \phantom{0} \\ 344 \\ \underline{- 344} \\ 000 \end{array}$$

Ans: 218

#### **A** Divide.

1. (a)  $2,001 \div 87 = \underline{\quad}$  (b)  $3,648 \div 64 = \underline{\quad}$  (c)  $2,436 \div 28 = \underline{\quad}$  (d)  $1,656 \div 72 = \underline{\quad}$
2. (a)  $4,524 \div 58 = \underline{\quad}$  (b)  $1,702 \div 74 = \underline{\quad}$  (c)  $2,262 \div 29 = \underline{\quad}$  (d)  $3,408 \div 48 = \underline{\quad}$
3. (a)  $8,539 \div 73 = \underline{\quad}$  (b)  $7,263 \div 67 = \underline{\quad}$  (c)  $6,290 \div 63 = \underline{\quad}$  (d)  $2,848 \div 25 = \underline{\quad}$

## Tuesday

- Maths Challenge – 1 per day. Continue on from where you have stopped.
- Tables- Multiplication and Division – x11

If possible, play this game to revise your 11 times tables.

<https://www.timestables.com/11-times-table.html>

Read the word problems below carefully girls and then use your long division skills we revised above to answer them 😊

### **B** Answer the questions.

1. **8,538** newspapers have to be divided into packets of **35** for distribution to the shops. **How many bundles of thirty-five will be made?**
2. **7,946** college students are grouped alphabetically into groups of **28** for administration purposes. **How many groups will there be?**
3. The lifeboats used by a shipping company can hold **47** people. **How many will be needed for a liner which has 3,740 people on board?**
4. **67** luxury chocolates fit into a box. **How many boxes are needed for 4,839 chocolates?**



## Wednesday

- Maths Challenge – 1 per day. Continue on from where you have stopped.
- Tables- Multiplication and Division – x11.

If possible, play this game to revise your times tables.

<https://www.timestables.co.uk/times-tables-memory.html>

### **C** Jenny Murphy uses the train every day to go to work.

Type of ticket	90 day	30 day	10 day	7 day	1 day
Cost	€297	€120	€50	€40	€8
Number of kilometres	1,125.00	375.00	125.00	87.50	12.50

1. For each type of ticket, calculate the average cost per day.
2. Which type of ticket is the best value per daily journey?
3. For each type of ticket, calculate the cost per kilometre.




## Thursday

- Maths Challenge – 1 per day. Continue on from where you have stopped.
- Tables- Multiplication and Division – x11.

If possible, play this game to revise your 11 times tables.

<https://www.topmarks.co.uk/maths-games/mental-maths-train>

**Dividing a decimal number by a whole number**  
Estimate first, then divide. Always keep the decimal points in line with each other.

$\begin{array}{r} 0.61 \\ 7 \overline{)4.27} \\ \underline{-81} \\ 135 \\ \underline{-135} \\ 000 \end{array}$	$\begin{array}{r} 3.5 \\ 27 \overline{)94.5} \\ \underline{-81} \\ 135 \\ \underline{-135} \\ 000 \end{array}$	$\begin{array}{r} 0.29 \\ 18 \overline{)5.22} \\ \underline{-36} \\ 162 \\ \underline{-162} \\ 000 \end{array}$	$\begin{array}{r} 0.128 \\ 64 \overline{)8.192} \\ \underline{-64} \\ 179 \\ \underline{-128} \\ 512 \\ \underline{-512} \\ 000 \end{array}$
			
<b>Ans: 0.61</b>	<b>Ans: 3.5</b>	<b>Ans: 0.29</b>	<b>Ans: 0.128</b>

### **A** Divide these decimal numbers.

1. (a)  $4.98 \div 6 = \underline{\quad}$  (b)  $24.3 \div 9 = \underline{\quad}$  (c)  $57.2 \div 26 = \underline{\quad}$  (d)  $17.712 \div 72 = \underline{\quad}$
2. (a)  $4.56 \div 8 = \underline{\quad}$  (b)  $7.44 \div 8 = \underline{\quad}$  (c)  $96.2 \div 13 = \underline{\quad}$  (d)  $14.504 \div 56 = \underline{\quad}$
3. (a)  $27.3 \div 65 = \underline{\quad}$  (b)  $2.61 \div 9 = \underline{\quad}$  (c)  $24.436 \div 82 = \underline{\quad}$  (d)  $75.4 \div 29 = \underline{\quad}$

## Friday

- Ask someone at home to test you on your 10 & 11 time's tables. Then test them on their tables.

Well done girls on another fantastic week's work 😊 Have a nice weekend!