

Mrs Backhouse and Mrs Ireson's Set 1 Maths

Monday 13th July

Thanks to Evie for creating today's arithmetic and WNAITO.

WNAITO

1. $0.379 \times 100 =$
2. $3,498,201 + 5,832,192 =$
3. $3/10 \times 8/9 =$
4. $23\% \text{ of } 346 =$
5. $5/10 + 6/20 =$
6. $14 - 10.58 =$
7. $1696 \text{ divided by } 16 =$
8. $3.78 \times 4 =$

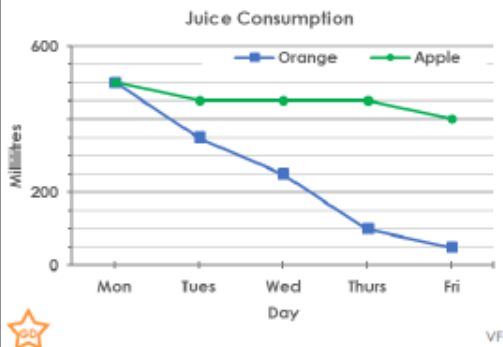
I subtract 3 and then divide by 4. I ended up with The number 24

My number is a multiple of 5 and 10 But less than 6 squared and more than 5 squared

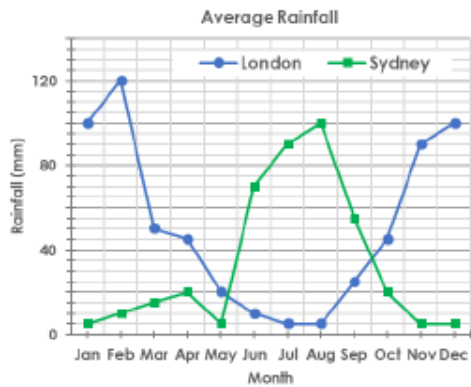
tip: multiply denominator by denominator and numerator by numerator.

Line Graphs

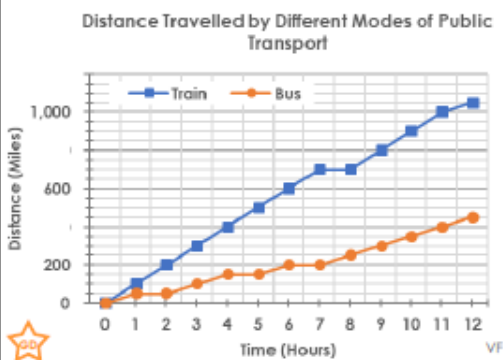
7a. What was the difference between both juices consumed on Wednesday?



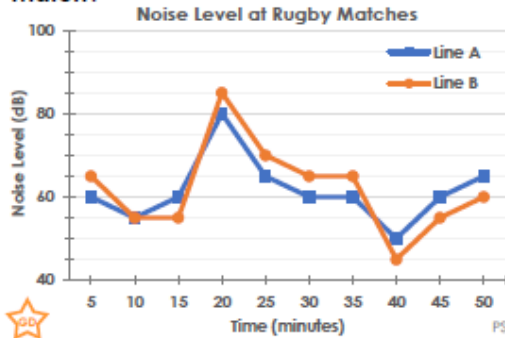
8a. Which months had the highest amount of rainfall for each city?



9a. How many hours did each vehicle take to travel 400 miles?



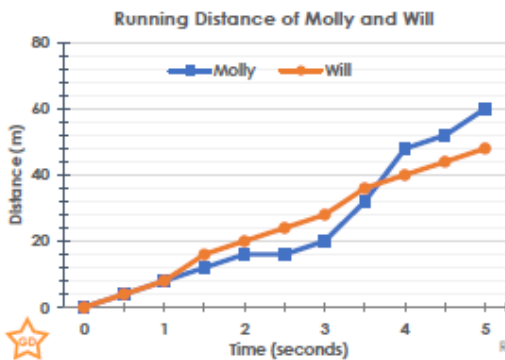
7b. The rugby match at Hull had a lower noise level overall than the match at Halifax. Which line represents the Halifax match?



8b. Emilio made a mistake when he plotted his line graph. Where do you think the mistake was made? Convince me.



9b. Molly thinks she was quicker than Will in the first 2.5 seconds of the race. Is she correct? Explain why.

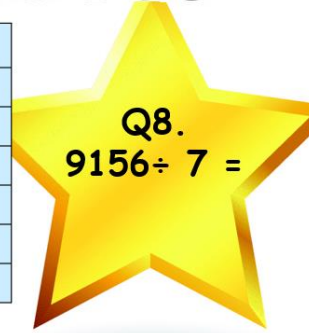


Tuesday 14th July

Thanks to Harley for creating today's arithmetic.

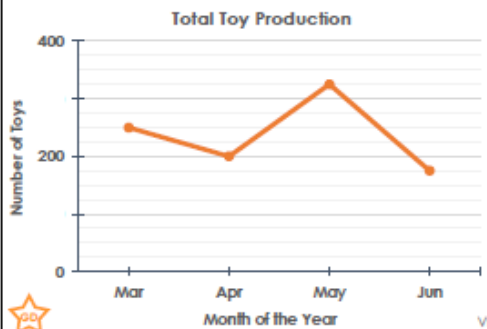
Arithmetic

Q1.	63×7
Q2.	$4/6 + 6/12$
Q3.	$468 \div 4$
Q4.	164×6
Q5.	$7,849 + 8,574$
Q6.	$8567 - 7575$
Q7.	78×4



Problems with Line Graphs

7a. True or false? The total production of toys in March and April was higher than the total in May and June.



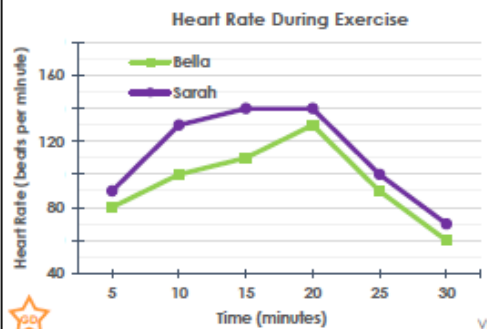
VF

7b. In the month that Pascal visited the race track, there were 2,000 more visitors than the month before. When did he go to the race track?



PS

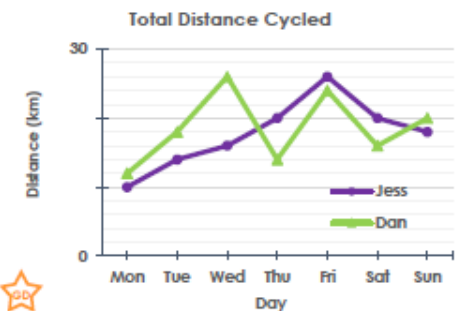
8a. How much longer did it take for Bella's heart rate to reach 130 beats per minute than Sarah's?



VF

8b. Complete the sentences.

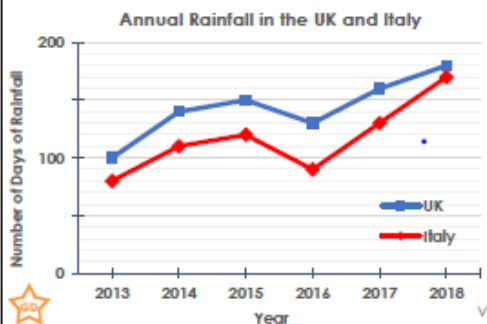
Jess cycled 14km further on _____ than _____.
Dan cycled further on _____ and _____ than Sunday.



PS

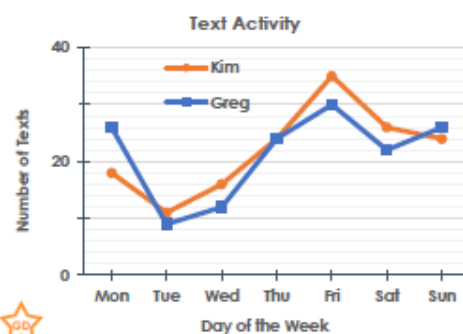
9a. Complete the sentence.

There were 40 more days of rainfall in the UK than Italy in _____.



VF

9b. Kim thinks that she sent more texts than Greg last week. Is she correct? Use the line graph to convince me.



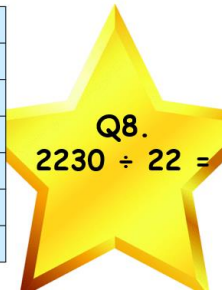
R

Wednesday 15th July

Thanks to Maddison for creating today's arithmetic.

Arithmetic

Q1.	26.2×1000
Q2.	$2340 \div 12$
Q3.	$4 \times \frac{1}{4}$
Q4.	376×36
Q5.	427×33
Q6.	$123,309 \div 100$
Q7.	$7654 + 1111$



Reading and Interpreting Tables

7a. True or false?

Song	Only Me	Hotel Illinois	Stand by You	Angel Woman
Minutes played over a week	1,530	1,890	1,470	2,460

Only Me played for 1 hour longer than Stand By You.



VF

8a. Look at the table below.

Video	Crazy Cats	Wild Weather	Biggest Burgers	Skating Tricks
MeTube Views	120,821	634,356	876,357	324,543

How many more views did Crazy Cats and Biggest Burgers receive compared with Wild Weather and Skating Tricks?



VF

9a. How far in kilometres did Cloud Stream and Metro Air travel in total?

Plane	Metro Air	Flight Bus	Sky Jet	Cloud Stream
Distance travelled (m)	52,000	148,000	345,000	62,500



VF

7b. The table below shows the data for different kinds of birds.

	Wingspan (m)	Weight (kg)	Dive Speed (km/h)
Golden Eagle	2.3	6.3	241
Peregrine Falcon	1.2	1.5	389
Brown Pelican	1.2	5.5	48
Red-throated Diver	1.1	1.6	78

Create three questions about the data. Make sure you include the answers!



PS

8b. The table below shows the time taken in seconds for a car to reach 80mph.

	1 st attempt	2 nd attempt	3 rd attempt
Car 1	13.9	12.8	12.5
Car 2	13.5	13.2	12.7
Car 3	12.7	14.8	11.5

In total, there was only 0.4 seconds between the slowest and fastest cars. Do you agree? Prove it.



R

9b. Stan measures how far away different shops are in m from his friends' houses.

	Tristan	Lucy	Anthony
Cut Costs	2,800	7,600	15,600
Pet Power	1,800	10,100	11,100
Cars 4 You	900	7,400	5,500



In km, Pet Power is closer to all of my friends than Cut Costs.

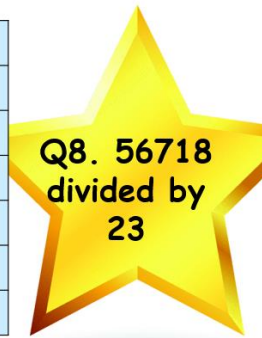
Do you agree with Stan? Why?



R

Arithmetic

Q1.	$43.57 \times 100 =$
Q2.	$2603 \div 19 =$
Q3.	6598×97
Q4.	$803,565 \div 7$
Q5.	$676,655 \times 9$
Q6.	987.654×1000
Q7.	$87,598 + 74568$



Two Way Tables

7a. This table shows the different types of shirt made by a manufacturer.

	Red	Blue	Green	Total
X-Small	A	B	C	D
Small	E	F	G	H
Medium	I	J	K	L
Large	M	N	O	P
Total	Q	R	S	T

Using the letters, write the calculation for:
 A. The total for red and blue medium shirts made.
 B. The total for blue and green shirts made.



VF

7b. This table shows the average vocabulary size of students in each language.

	Y10	Y11	Total
French	164.2	174.3	338.5
Spanish	172.4	A	288.7
German	84.5	95.4	B
Urdu	17.3	7.2	24.5
Total	438.4	393.2	831.6

Write two word problems that use A or B. Calculate the correct answer for each.



PS

8a. This table shows the percentages of the 8,932 tickets that were sold for a fayre.

	Thu	Fri	Sat	Sun	Total
Under 5	1.8	3.9	10.6	4.2	20.5
Child	5.2	7.5	19.5	4.0	36.2
Adult	5.3	8.2	20.5	9.3	43.3
Total	12.3	19.5	50.6	17.6	100

A. What was the percentage difference between Friday and Saturday totals?
 B. What was the percentage of adult and child tickets sold?



VF

8b. The table shows the average number of fruit sold in a week.

	Mon	Tues	Wed	Thur	Total
Apples	46.2	26.2	35.2	26.5	134.1
Pears	16.3				
Oranges	31.5	36.2	27.2	36.1	131
Total		104	84	84.2	366.2

Greg says, "I think 7.1 fewer pieces of fruit are sold on Mondays compared to the total number of pears sold the week." Do you agree with Greg? Convince me.



PS

9a. This table shows the average number of hours playing games in a month across different age groups. Complete the table.

	3-10	11-17	18-25	26+	Total
Chess	1.2	5.6	16.4	27.4	50.6
Cards	6.4	12.4			144.7
Computer	25.4	64.5	286.7	83.4	
Other	34.8	45.9		100.4	254.3
Total	67.8	128.4	432.3	281.1	909.6

According to the data, which age group is most likely to play computers?



VF

9b. Using the information below, complete the two-way table.

Average Number of People and Sports Preference Across Two Companies

	< 21	21 - 30	30 +	Total
Football	204.1		105.1	444.5
Cricket	15.3			
Rugby			46.1	133.8
Other	72.4	72.1	68.2	212.7
Total	344.4	295.6	282.0	922

- 62.6 over 30s like cricket.
- 11 more over 30s like rugby than 21-30s.
- True or false? A 45 year old joins one of the companies. They're mostly likely to prefer cricket. Explain how you know.



R

9a. Which train should Brock catch from Retford if he wants to arrive in Stevenage after 14:10?

Doncaster	12:26	-----	12:38	15:00
Retford	12:41	13:34	12:47	-----
Newark	12:56	13:54	13:11	-----
Grantham	-----	-----	13:29	-----
Peterborough	13:30	-----	13:55	15:56
Stevenage	13:59	14:01	14:20	16:30



VF

10a. Which show lasts the shortest amount of time?

Nature Channel		Sports Channel	
11:45-12:30	In Flight	11:55-12:30	Golf
12:30-13:10	In the Trees	12:30-13:00	Cricket
13:10-13:45	Critter Watch	13:00-13:20	BMX Trials



VF

11a. How long is the journey from Clifton to Nuthall Road on the 53B bus?

	53A	53B	54A	54B
Clifton	06:50	06:54	06:58	07:05
Hospital	06:57	06:59	07:06	07:14
Nuthall Road	07:06	07:09	07:13	07:18
Valley Road	07:15	-----	07:23	-----



VF

12a. Below is a restaurant timetable. How long is Table 3 reserved for?

	Table 1	Table 2	Table 3
18:15	Reserved	Reserved	Reserved
18:50	Reserved	Unreserved	Reserved
19:40	Reserved	Reserved	Unreserved
20:30	Unreserved	Unreserved	Unreserved



VF

7b. True or false?

Eliza will arrive at the Monument Street 27 minutes later than planned if she misses the 19:31 bus from King's Road.

Bus Station	18:56	19:10	19:24	19:34
King's Road	19:11	-----	19:31	19:40
Castle	19:20	-----	19:48	19:53
Monument Street	19:27	-----	19:58	20:08
Train Station	19:38	19:44	-----	20:20
Harbour	19:46	19:57	20:15	20:32

Explain your answer.



R

8b. Annie has 1 hour and 36 minutes left at the Zoo. The time is 16:30.

Which shows can she visit in this time?

African Wonderland		Jungle Creatures	
16:30-17:05	Giraffes	16:30-17:15	Monkeys
17:10-17:20	Elephants	17:15-17:20	Snakes
17:20-17:55	Zebras	17:30-17:40	Jaguars
18:10-18:45	Lions	17:30-17:55	Parrots

Find different possibilities.



PS

9b. This is part of the parents' evening timetable for Class 9, which ends at 5pm. Charlotte thinks she might have made a mistake.

	Art	ICT	RE	Head
Charlotte	16:10	16:20	16:00	17:20
Bobby	16:00	15:50	16:10	16:30
Charles	16:20	15:45	16:00	16:10
Sophie	16:30	16:15	16:40	16:50

Is she correct? Explain your answer.



R

Mr Gibbon's Set 3 Maths and Mr Lond's Set 2 Maths

Monday 13th July

Arithmetic

Brain Starter



Daily Practice



- 1) $51,919 + 32,800 =$
- 2) $\underline{\hspace{2cm}} = 65.7 - 7.99$
- 3) $25 \times 23 =$
- 4) $6,608 \div 14 =$
- 5) $\underline{\hspace{2cm}} = 62.1 \times 100$

Jerry uses each card once.



"The difference between the largest and smallest number I can make is 153."

300

20

4

200

70

1

Five

Is Jerry correct?
Explain your reasoning!

Main

9. If you wrote these numbers in order, starting with the smallest, which would be the third number?

3 267 2 908 4 357 1 666 2 901 2 899

Explain how you know you are correct:

- 1) Here are six cards.

x 10 x 100 x 1000 ÷ 10 ÷ 100 ÷ 1000

Use a card to complete each calculation.

2.7 = 270

2.7 = 0.27

2.7 = 0.027

2.7 = 2700

- 2) Complete these calculations.

$42 \times 100 =$

$42 \div 100 =$

$\times 10 = 42$

$\div 10 = 42$

2

Circle the number closest to 500



525 491 511 408 550

²
1 mark

Tuesday 14th July

Arithmetic

Brain Starter



Daily Practice



- 1) $435 + 4.76 =$
- 2) $\underline{\hspace{2cm}} = 12 - 5.32$
- 3) $91 \times 46 =$
- 4) $789 \div 3 =$
- 5) $\underline{\hspace{2cm}} = 2.6 \times 100$

Two

Alfie needs 1,000 points for a gold award. He currently has 761 points. How many more points does Alfie need?

Main

- 3) Remember: 1 cm = 10 mm, 1 m = 100 cm, 1 km = 1000 m

$4.5 \text{ cm} = \boxed{\hspace{2cm}} \text{ mm}$

$3.25 \text{ m} = \boxed{\hspace{2cm}} \text{ cm}$

$1.125 \text{ km} = \boxed{\hspace{2cm}} \text{ m}$

$6305 \text{ m} = \boxed{\hspace{2cm}} \text{ km}$

$308 \text{ cm} = \boxed{\hspace{2cm}} \text{ m}$

$2.005 \text{ km} = \boxed{\hspace{2cm}} \text{ m}$

$12.4 \text{ cm} = \boxed{\hspace{2cm}} \text{ mm}$

$12.4 \text{ cm} = \boxed{\hspace{2cm}} \text{ m}$

- 4) Complete these calculations.

$100 \times 100 = \boxed{\hspace{2cm}}$

$30.28 \times 10 = \boxed{\hspace{2cm}}$

$\boxed{\hspace{2cm}} \times 10 = 470.02$

$7200 \div \boxed{\hspace{2cm}} = 100$

Wednesday 15th July

Arithmetic

Brain Starter



Daily Practice



- 1) $\underline{\hspace{2cm}} = 51.75 + 6.17$
- 2) $52,613 - 4,416 =$
- 3) $318 \times 41 =$
- 4) $\underline{\hspace{2cm}} = 5,612 \div 7$
- 5) $547 \div 1000 =$

Four

A flock of 6,792 seagulls surrounded the beach. What is the difference when 4,011 flew away?

Main

Name	Time (seconds)
Nick	39.82
Felix	40.09
Adam	40.13
Gabs	39.56

The table shows the times of some children in a 200 metre race.

a) Who **won** the race?

b) Who was **third**?

c) Marcus ran in a different 200 m race. He looked at his time and said, "If I had been in your race I would have finished **fourth** out of five".

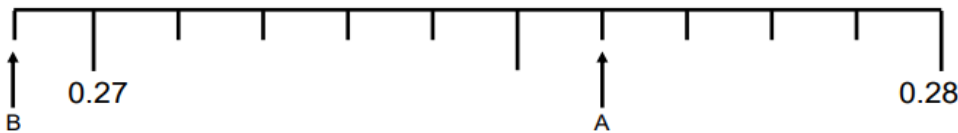
Write what his time could have been.

2 Write these numbers in order, starting with the smallest.

7.01 7.008 7.018 7.808 7.81

smallest

3 Here is part of a number line.



Write the value of A and B.

A =

B =

4 Underline the number closest in value to 3.7

3.8 3.75 3.697 3.704 3.68

5 Write a number that is **more than 10.04** and **less than 10.05**

Thursday 16th July

Arithmetic

Brain Starter



Daily Practice



1) $8,011 + 426,410 =$

2) $8.11 - 5.626 =$

3) _____ = 44×56

4) $6,688 \div 8 =$

5) _____ = 100×3.47

Three

From £10,000, Millie spent £3,431 on gifts, £500 on decorations and £2,190 on herself. How much was remaining?

Main

The table below shows the temperatures of different cities on one day in January.

Loxley	London	Moscow	New York	Sydney	Paris	Cape Town	Toronto
-2.2 °C	5.8 °C	-8.3 °C	1.9 °C	23.2 °C	8.4 °C	17.2 °C	-12.5 °C

What was the difference in temperature between Loxley and London?

How much warmer was Paris than Toronto?

What was the difference in temperature between Moscow and Cape Town?

How much warmer was the warmest city than the coldest city?

The next day the temperature in London fell 12°C. What was the new temperature?

The next day the temperature in Toronto rose 10.3°C. What was the new temperature?

Circle two numbers with a difference of 6.

2.3 -2.7 5.3 -4.6 -1.7 1.4

Continue the sequence below

1) 7.3, 5.1, 2.9, 0.7, , ,

2) 5.4, 3.3, 1.2, ,

3) 31.5, 22.4, 13.3, 4.2, ,

Friday 10th July

Arithmetic

Brain Starter



Daily Practice



- 1) $82.9 + 15.1 =$
- 2) $\underline{\hspace{2cm}} = 5,651 - 2,416$
- 3) $213 \times 25 =$
- 4) $9,181 \div 3 =$
- 5) $\underline{\hspace{2cm}} = 5.29 \div 100$

Solve me...

**4,568 pets are at the pet show.
2,134 are dogs and 1,345 are cats.
The rest are owners.**

Five

How many are owners?

Today's maths work is all about improving your times tables.

- 1) Complete the 10 Garage games I have set for you on Times Table Rockstars
- 2) Complete the 10 Studio games I have set for you on Times Table Rockstars
- 3) Learn the times table you struggle on the most.



4) Play times tables games like we do in class with someone in your house.