5 a day- Monday

11×11

$235 \div 5$

A teacher has 380 sweets.

She gives 9 children 6 sweets each.

How many sweets does the teacher have left?

Rob finishes school at half past three.
He then walks home and this takes twenty-five minutes.

Write the time he arrives home on the clock display.
Write the time as 24 hour time.

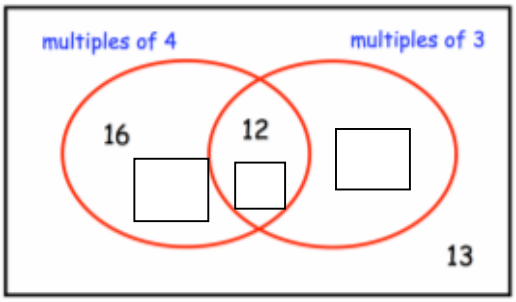
:

Group	Tally
Children	𝍸 𝍸 𝍸 ||
Adults	𝍸 𝍸 |
Pensioners	|||

An adult ticket costs £8
The price of a child ticket is half the price of an adult ticket.
Pensioners pay £1 less than adults.

How much money was raised?

5 a day- Tuesday

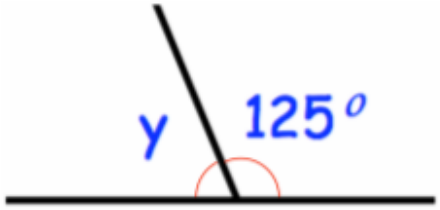
$835 - 190$	62×7
Write these numbers in its correct place on the diagram **20 21 24 27**	
Write the number 3904 in words.	
A carton of milk costs 67p Find the cost of six cartons of milk	

5 a day-Wednesday

$70{,}000 - 800$

25×100

Find the size of angle y



Location	Elevation
Georgetown	-2 metres
Amsterdam	-1 metre
Paris	34 metres
New Orleans	-2 metres
Salton City	-38 metres
Dublin	8 metres

List the cities that are below sea-level, 0 metres.

Which city has the highest elevation?

How many metres **higher** than Amsterdam is Dublin?

5 a day-Thursday

$575 - 280$

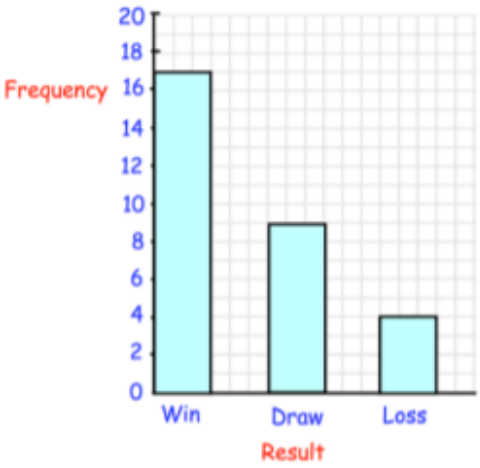
$$\begin{array}{r} 129 \\ \times \quad 7 \\ \hline \end{array}$$

3	4	5	6

Here are four digit cards

Make the largest possible three digit **odd** number

Winston has drawn a bar chart to show his football team's results.

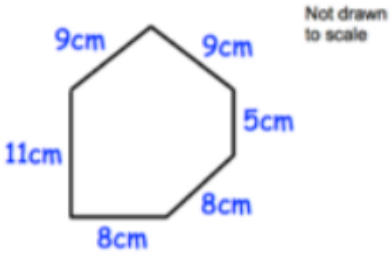


A win is worth 3 points
A draw is worth 1 point
A loss is worth 0 points

How many points did the team receive in total?

5 a day-Friday

-

$1{,}171 + 824$	$760 \div 4$
	Find the perimeter of this hexagon
6 years = ☐ months 48 hours = ☐ days 91 days = ☐ weeks	
 8 scarves cost £112 4 scarves and 1 hat cost £73	What is the cost of 1 hat?

Task 2

After working through the PowerPoint, now try and independently complete these questions.

1 Here are two numbers made on a place value chart.

A

HTh	TTh	Th	H	T	O
	●●	●● ●● ●●	●● ●		●● ●● ●

B

HTh	TTh	Th	H	T	O
	●● ●				

Dani says A is bigger than B because A uses more counters.

Explain why Dani is wrong.

Answer

2)

Use <, > or = to correctly complete these statements.

a)

23 102 ☐ 23 012

b)

50 103 ☐ 10 000 10 000 10 000 10 000 10 000 100 1 1 1

c)

18 012 ☐ 10 000 100 100 10 10 1 1 1 10 000 100 10 10 10 1 1 1 ☐ 10 000 10 356

3)

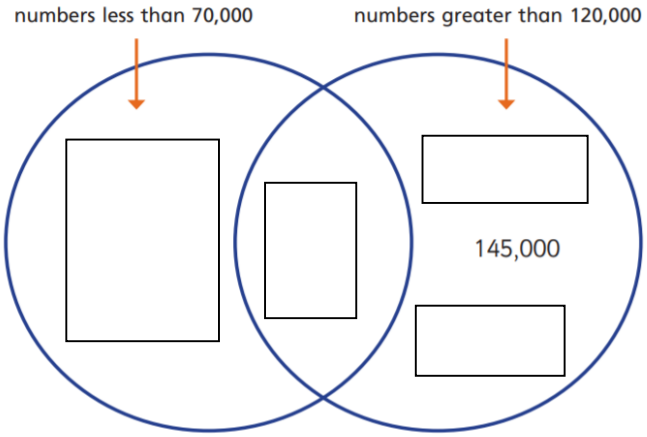
Put the house prices in order from least expensive to most expensive.

least expensive ☐ < ☐ < ☐ < ☐ **most expensive**

4)

Whitney is sorting some numbers.

She puts the numbers into a sorting diagram.



a) Write the numbers on the diagram.

The first one has been done for you.

145,000 **three hundred thousand** **799**

85,400 **62,000** **620,000**

b) Are there any numbers in the overlapping section? Explain why.

Answer to part b

5)

Here are the takings from different shops at the theme park. Can you use the clues to match the taking to the correct shop?

£105 236	£752 365	£521 047	£781 025	£752 324

Delicious Deli	Donut Delights	Milkshake Madness	The Smoothie Shop	Sweet Treats
These takings have no hundreds.	These takings have a digit sum of 17.	This shop has taken the most money.	When you put the amounts in descending order, this shop is third.	These takings are £41 more than The Smoothie Shop's.

Delicious Deli-

Donut Delights-

Milkshake Madness-

The Smoothie Shop-

Sweet Treats-

Task 3

1)

In August, a theme park sold 985 025 tickets.

Ella: The digit in the ten thousands column is eight ten thousands.

Freya: The digit in the ten thousands column is 8.

Who do you agree with? Explain your thinking.

2)

Adam was making numbers using ten counters. He needed to have a counter in at least four columns. He made the greatest number possible and the smallest number possible. Are his numbers correct? Explain your reasoning.

Greatest Number Possible					
HTh	TTh	Th	H	T	O
●● ●●	●● ●	●●	●		

Smallest Number Possible					
HTh	TTh	Th	H	T	O
●	●	●	●	●	●● ●●

3)

Harriet has made five numbers, using the digits 1, 2, 3 and 4

She has changed each number into a letter.

Her numbers are:

1) aabdc
2) acdbc
3) dcaba
4) cdadc
5) bdaab

Here are three clues to work out her numbers:

- Number 1 is the greatest number.
- The digits in number 4 total 12
- Number 3 is the smallest number.

Harriet's numbers are:

1)
2)
3)
4)
5)

4)

- Simon says he can order the following numbers by only looking at the first three digits. Is he correct? Explain your answer.

125161, 128324, 126743, 125382, 127942

Simon is.....

5)

Here are 10 digit cards. You can only use each digit once. Follow the clues.

- My number has five different digits.
- The sum of the digits is 24.
- My thousands digit is one less than the tens of thousands digit.
- The sum of the hundreds and ones digit is 15.
- My tens of thousands digit is four less than the hundreds digit.
- The product of the hundreds and ones digits makes up the total number of thousands.

What is my number?

Challenge

Three amusements from the theme park - the River Rapids, the Runaway Train and the Haunted House - add up their takings for the year. Using the clues below, can you work out how much each amusement might have earned? Give three possible answers.

The River Rapids earned £10 000 less than the Haunted House.
The Runaway Train earned a six-digit figure which has a digit sum of 18.
The Haunted House earned a six-digit figure that was greater than the Runaway Train's. Their amount also has a digit sum of 18. They have a 5 in the ten thousands column.

River Rapids:
Runaway Train:
Haunted House:

River Rapids:
Runaway Train:
Haunted House:

River Rapids:
Runaway Train:
Haunted House:

ANSWERS

5 a day- Monday

11×11

121

$235 \div 5$

$5\overline{)235}$ = 47

47

A teacher has 380 sweets.

She gives 9 children 6 sweets each.

How many sweets does the teacher have left?

9 x 6 = 54

380 − 54 = 326

326

Rob finishes school at half past three. He then walks home and this takes twenty-five minutes.

Write the time he arrives home on the clock display.
Write the time as 24 hour time.

3:30 + 25 mins

15 :55

Group	Tally	
Children	𝍸 𝍸 𝍸 ||	= 17
Adults	𝍸 𝍸 |	= 11
Pensioners	|||	= 3

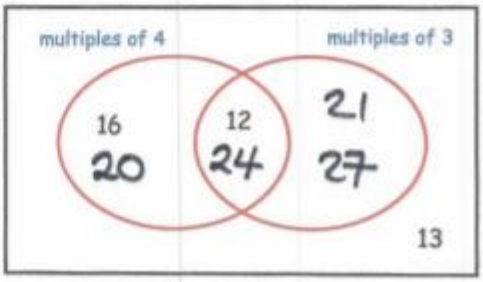
An adult ticket costs £8
The price of a child ticket is half the price of an adult ticket.
Pensioners pay £1 less than adults.

How much money was raised?

11 x 8 = 88
17 x 4 = 68
3 x 7 = 21
17,7

£177

5 a day- Tuesday

$835 - 190$ $\begin{array}{r} 7\,8^{1}3\,5 \\ -\;1\,9\,0 \\ \hline 6\,4\,5 \end{array}$ 645	62×7 $\begin{array}{r} 6\,2 \\ \times\;\;7 \\ \hline 4\,3\,4 \\ {\scriptstyle 1} \end{array}$ 434
Write these numbers in its correct place on the diagram **20 21 24 27**	
Write the number 3904 in words. Three thousand, nine hundred and four	
A carton of milk costs 67p Find the cost of six cartons of milk	$\begin{array}{r} 6\,7 \\ \times\;\;6 \\ \hline 4\,0\,2 \\ {\scriptstyle 4} \end{array}$ £4.02

5 a day- Wednesday

$70{,}000 - 800$

−1000

79000 69200 69,200

+200

69,200

25×100

2500

Find the size of angle y

180 - 125 = 55°

Location	Elevation
Georgetown	-2 metres
Amsterdam	-1 metre
Paris	34 metres
New Orleans	-2 metres
Salton City	-38 metres
Dublin	8 metres

List the cities that are below sea-level, 0 metres.

Georgetown
Amsterdam
New orleans
Salton City

Which city has the highest elevation?

Paris

How many metres **higher** than Amsterdam is Dublin?

9 metres

5 a day- Thursday

575 − 280

$$\begin{array}{r} {}^{4}\cancel{5}^{1}75 \\ -\ 280 \\ \hline 295 \end{array}$$

295

$$\begin{array}{r} 129 \\ \times\ \ \ 7 \\ \hline 903 \\ {\scriptstyle 2\ 6} \end{array}$$

903

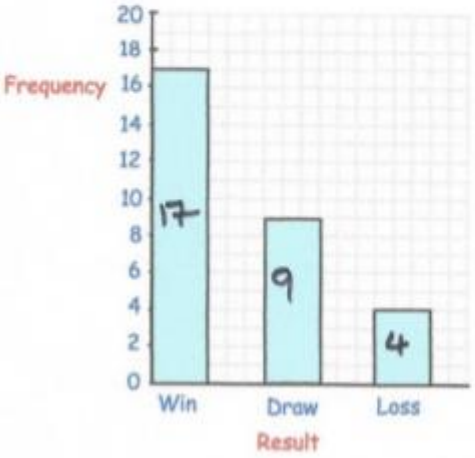
3 4 5 6

Here are four digit cards

Make the largest possible three digit **odd** number

6 5 3

Winston has drawn a bar chart to show his football team's results.



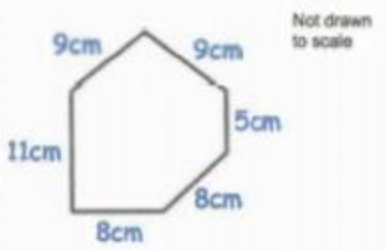
A win is worth 3 points
A draw is worth 1 point
A loss is worth 0 points

How many points did the team receive in total?

17 × 3 = 51

+ 9 = 60

5 a day- Friday

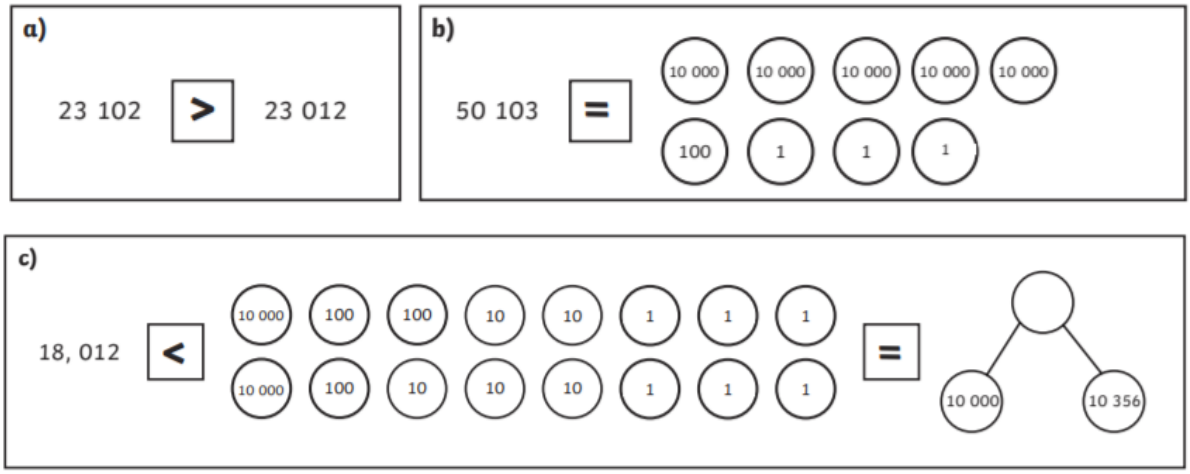
1,171 + 824 1171 824 + 1995 1995	760 ÷ 4 190 4 | 760 190
 	Find the perimeter of this hexagon 9+9+5+8+8+11 = 50cm
6 years = 72 months 48 hours = 2 days 91 days = 13 weeks	
 8 scarves cost £112 4 scarves and 1 hat cost £73	What is the cost of 1 hat? 4 scarves cost 112÷2=56 73-56 = £17

Task 2 answers

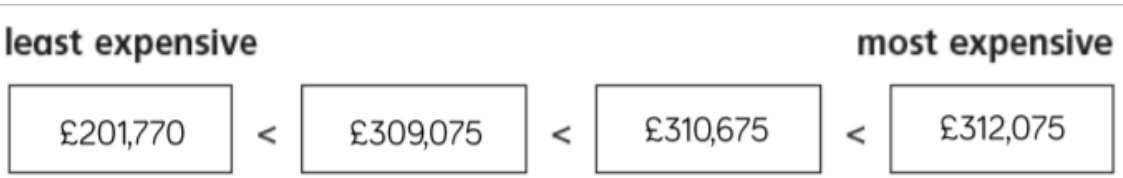
1)

Dani is wrong because each of the three counters in B have a value of 10,000, whereas in A, there are only 2 counters have a value of 10,000 and the other counters all have lower values.

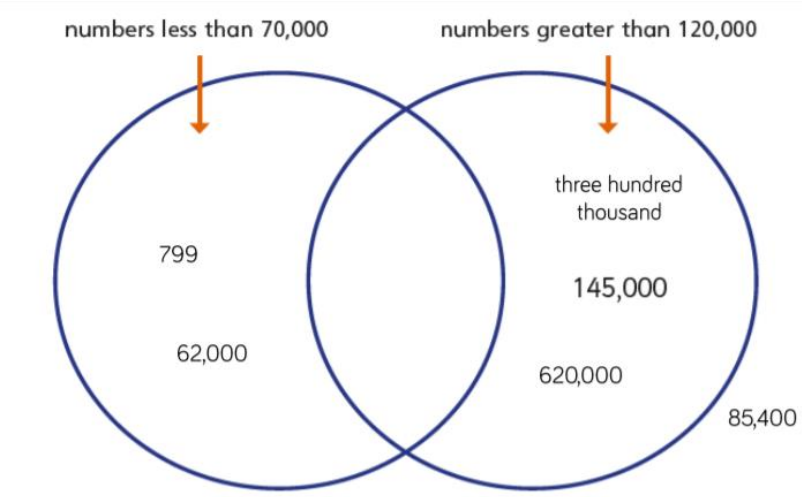
2)



3)



4)



There are no numbers in the overlapping section because if a number is smaller than 70,000, then it can't be greater than 120,000 (and vice versa).

5)

£105 236	£752 365	£521 047	£781 025	£752 324

Delicious Deli	**Donut Delights**	**Milkshake Madness**	**The Smoothie Shop**	**Sweet Treats**
These takings have no hundreds.	These takings have a digit sum of 17.	This shop has taken the most money.	When you put the amounts in descending order, this shop is third.	These takings are £41 more than The Smoothie Shop's.

Task 3 answers

1)

Freya is correct. The digit in the ten thousands column is 8. If the question had asked for the value of the 8 digit, Ella would have been correct.

2)

Adam is incorrect. To make the greatest number possible, first put one counter in each of the four highest value columns. Then put the remaining counters in the highest value column. The greatest number possible would be 711 100.

3)

44,213
43,123
13,424
31,413
21,442

4)

He is incorrect because two of the numbers start with twelve thousand, five hundred therefore you need to look at the tens to compare and order.

5)

54 906

Challenge answers

Accept any three correct combinations, such as:

River Rapids £241 505	River Rapids £542 312	River Rapids £842 030
Runaway Train £121 833	Runaway Train £401 526	Runaway Train £820 404
Haunted House £251 505	Haunted House £552 312	Haunted House £852 030