KS2 Maths SKILLS ORGANISER presents GENIUS MATHS

COLUMN METHODS ADD and SUBTRACT

Help Code : 001

4 This table shows the heights of three mountains.

Mountain	Height in metres
Mount Everest	8,848
Mount Kilimanjaro	5,895
Ben Nevis	1,344

How much higher is Mount Everest than the **combined height** of the other two mountains?

Show your method

metres

6 $2.7 + 3.014 =$

1 $40 + 1,000 =$ LAST YEARS questions

1 mark

2 $707 + 1,818 =$

1 mark

5 $345 - 60 =$

1 mark

7 $\boxed{} = 4,500 + 600$

1 mark

11 $4{,}912 - 824 =$ ☐

1 mark

13 ☐ $- 100 = 1{,}059$

1 mark

21 $9 - 3.45 =$

1 mark

25 $37.8 - 14.671 =$

1 mark

16 $15.98 + 26.314 =$

1 mark

17 $125.48 - 72.3 =$

1 mark

3 Write the three missing digits to make this **addition** correct.

$$
\begin{array}{r}
1 \;\; 5 \;\; \square \\
+ \;\; 4 \;\; \square \;\; 4 \\
\hline
\square \;\; 1 \;\; 5
\end{array}
$$

4 This table shows the number of people living in various towns in England.

Town	Population
Bedford	82,448
Carlton	48,493
Dover	34,087
Formby	24,478
Telford	166,640

What is the **total** of the numbers of people living in Formby and in Telford?

☐

What is the **difference** between the numbers of people living in Bedford and in Dover?

☐

14 $3.005 + 6.12 =$

1 mark

11 Write the four missing digits to make this **addition** correct.

$$
\begin{array}{r}
\square \;\; 6 \;\; \square \;\; 8 \\
+ \;\; 3 \;\; \square \;\; 9 \;\; \square \\
\hline
9 \;\; 0 \;\; 1 \;\; 9
\end{array}
$$

1 979 + 100 =

1 mark

3 6.1 + 0.3 =

1 mark

5 1,034 + 586

1 mark

7 472 − 9 =

1 mark

8 2.5 + 0.05 =

1 mark

14 50,000 − 500 =

1 mark

20 5,756 + 8,643 =

1 mark

22 12 − 6.01 =

1 mark

21 4 − 1.15 =

1 mark

24   15.4 – 8.88 =

1 mark

28   234,897 – 45,996 =

1 mark

1   987 + 100 =

1 mark

2   46 + 304 =

1 mark

4   468 – 9 =

1 mark

5   ☐ = 936 + 285

1 mark

7   89,994 + 7,643 =

1 mark

8   ☐ = 435 – 30

1 mark

17   125.48 – 72.3 =

1 mark

18   122,456 – 11,999 =

1 mark

Y6 SATs

Column Methods Add & Subtract

1 The numbers in the two triangles add up to the number in the square.

2013A KS2 Q1

10

25

15
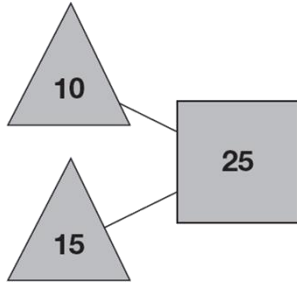
Using the **same** rule, write in the missing numbers.

55

75

25

120
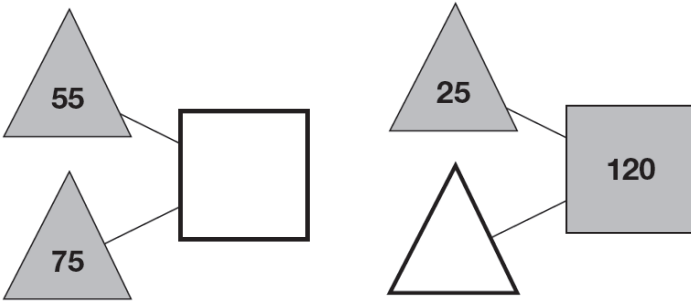
3 Circle the number that is closest to 300

338   3030   288   313   130

12 These are the prices of cheese in a shop.

Cheddar cheese
82p for 100 grams

Edam cheese
66p for 100 grams

Cottage cheese
45p for 100 grams

Mina buys **200g** of Cheddar cheese and **150g** of Edam cheese.

How much does she pay altogether?

Show your working

£

2012A KS2 Q12

BOOSTER

8 The table shows the cost of a new football kit.

Item	Cost
Shirt	£8.75
Shorts (1 pair)	£5.95
Socks (1 pair)	£4.15

£8.75

£5.95

£4.15
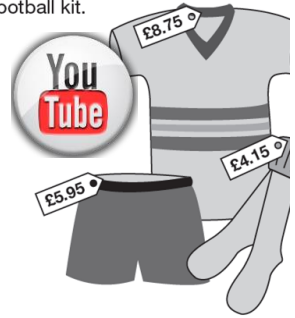
Altogether, how much does the complete football kit cost?

2013A KS2 Q8

£

4 Kirsty, Seb and Mina made toffee apples to sell at the school fair.

They made **80** toffee apples altogether.
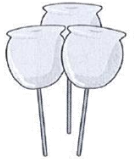
Kirsty sold **12** toffee apples.

Seb sold **25** toffee apples.

Mina sold **17** toffee apples.

2012A KS2 Q4

How many toffee apples were left?

Show your working

7 Calculate **507 − 291**

2012A KS2 Q7

6 Joe has a box of 72 chocolates.

chocolates

He gives 18 of the chocolates to his friends.

How many chocolates are left in the box?

Holly has a box of mints.

She has 10 friends.

mints

She gives them 5 mints each.

She has 13 mints left.

How many mints were in the box at the start?

---

4 Liam, Sarah and Amy buy lunch at a salad bar.

salad bar			
Salads		Desserts	
cheese	£1.20	banana	25p
egg	90p	apple pie	50p
tuna	£1.60	yogurt	35p

Liam has £2.50 to spend.

He buys a tuna salad and an apple pie.

How much money has he got left?

p

12
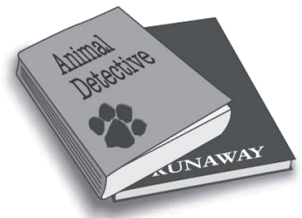
Dev and Joe each buy a book.

Dev pays with a £5 note and gets £1.05 change.

Joe's book costs £7

How much **more** does Joe's book cost than Dev's book?

Show your working

£

Amy chooses two of these cards.

| 11 | 23 | 33 | 43 |

2

She adds the numbers on her two cards together.
She rounds the result to the nearest 10

Her answer is 60

Which two cards did Amy choose?

[ ] and [ ]

Sarah buys a cheese salad and a yogurt.

Amy buys an egg salad.

How much **more** does Sarah pay than Amy?

Show your **working**. You may get a mark.

7 Calculate **336 − 192**

2

Here are four digit cards.

| 4 | 6 | 2 | 7 |

Use all four digit cards to make this sum correct.

☐☐ + ☐☐ = 100

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9 A book has five stories in it.

This is the contents page.

Contents

	page
Rocket Ship	5
Night Journey	17
Secret Palace	25
Jack	41
Deep Water	59

Deep Water finishes on page 68

Which is the longest story?

_____

---

5 This table shows where 100 people went on holiday in 2007 and 2008.

	2007	2008
Spain	18	26
England	38	17
Scotland	21	13
Wales	19	28
USA	4	16

Look at the table.

How many **more** people went to Wales than to Scotland in 2008?

Which country had the **greatest increase** in visitors from 2007 to 2008?

_____

A shop sells scarves and hats.

11

scarves £7.95 each

hats

£4.50

£6.50

£3.99

Ben buys one of the scarves and the £4.50 hat.

How much change does he get from £20?

Show your **working**. You may get a mark.

£

Emily buys **two** scarves and a hat.

What is the **most** she could pay?

£

3 Calculate **239 + 182**

Circle **one** number in **each** box to make a total of 1000

2

150		150
250	200	250
350	400	350
450		450

6 Here are three bags in a shop.
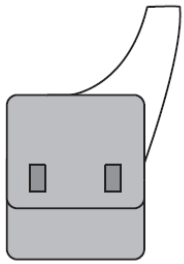
A
£11.50

B
£14.65
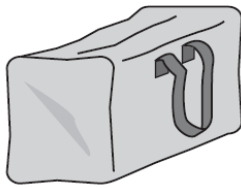
C
£16.50

How much does bag B cost to the nearest pound?

Jamie buys bag A and bag C.

How much change does he get from £40?

Show your **working.** You may get a mark.

9 A torch costs £7.65

Kate buys a torch and **two** batteries.

She pays £8.75 altogether.

How much does **one** battery cost?

Show your **working.** You may get a mark.

Hassan bought **a notebook** and **a pen.**
He paid **£1.10**

Kate bought **a notebook** and **2 pens.**
She paid **£1.45**

Calculate the cost of **a notebook.**

18 A shop sells notebooks and pens.

Show your **working.** You may get a mark.

Complete this diagram so that the three numbers in each line add up to **150**

60

90   40   ◯

◯   ◯   50

80
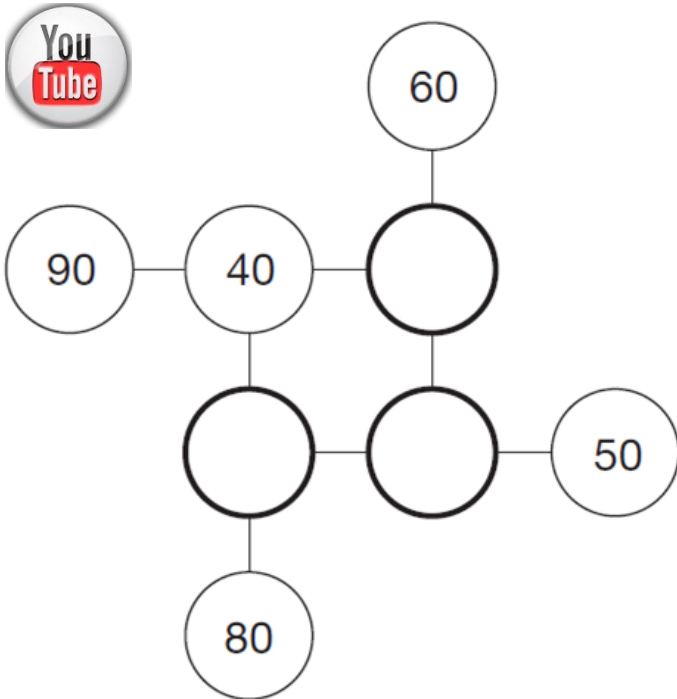
The diagram shows distances on a train journey from Exeter to York.

York

Derby

106 km

Bristol

215 km

Exeter

130 km
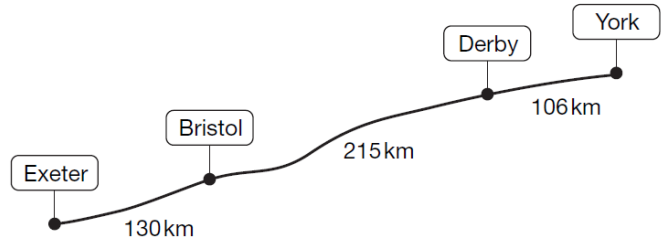
How many kilometres is it altogether from **Exeter** to **York**?

km

David swims **5 lengths**.

Rosie swims **12 widths**.

How much **further** does David swim than Rosie?

A rectangular swimming pool is 25 metres long and 10 metres wide.

length
25 m

width
10 m
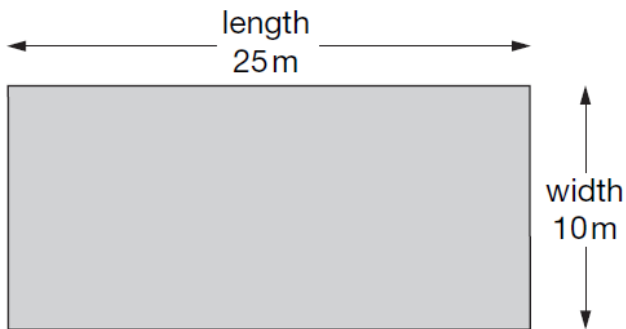
Show your **working**. You may get a mark.

metres

Calculate **2006 − 289**

Draw lines to join **all the pairs** of number cards which have a **difference of 30**

100   180

150   170

200   70

250   330

300   220

7 A shop sells candles.

plain candles
35p each

star candles
60p each

stripe candles
85p each

Sapna buys **4 star candles** and **2 stripe candles**.

How much does she pay **altogether**?

Show your **working**. You may get a mark.

Special offer
Buy 10 candles and get 50p off.

Josh buys **10 plain candles** in the special offer.

How much does he pay for the 10 candles?

£

3

These are the prices of sandwiches, drinks and fruit.

Sandwiches		Drinks		Fruit	
cheese	£1.45	milk	55p	apple	15p
tuna	£1.70	cola	45p	pear	20p
salad	£1.20	juice	65p	melon	25p

Shereen buys a **tuna** sandwich, **milk** and a **pear**.

How much does she pay?

Mike has 80p to spend on a **fruit** and a **drink**.

What **two** things can he buy for exactly **80p**?

. . . . and . . . .

8 Calculate **1202 + 45 + 367**

10 A shop sells three types of sunglasses.

£4.69

£2.99

£5.85

What is the **difference** in price between the **most** expensive and **least** expensive sunglasses?

£

The shop also sells sun hats.

£3.29 each

Ryan buys the **£4.69 sunglasses** and a **sun hat**.

How much change does he get from **£10**?

Show your **working**. You may get a mark.

5 Calculate **309 − 198**

6 This table shows how many journeys a taxi driver made on five days and how much money he collected.

	number of journeys	money collected
Monday	23	£85
Tuesday	36	£112
Wednesday	18	£69
Thursday	31	£124
Friday	35	£109

How much money did he collect on the day that he made the most journeys?

£ _____

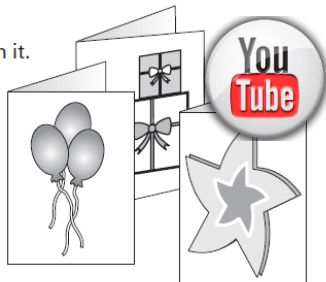How much more money did he collect on Monday than on Wednesday?

£ _____

6 A shop sells greetings cards.

Each card has a price code on it.

These are the codes.

code	price
AA	75p
BB	£1.15
CC	£1.55
DD	£1.70
EE	£1.99

Tina buys two cards.

One card has code **AA** on it.
The other card has code **DD** on it.

How much does Tina pay?

£ _____

Omar buys a card. He pays with a £2 coin.

He gets 45p change.

What is the **code** on his card?

. . . .

1 Draw lines to join the circle to **two more** number cards which make **150**

75 + 75

90 + 70

150

85 + 65

450 − 300

220 − 80

4 Asif, Vicky and Nita go to town by bus.

This is what they pay.

Asif — BUS TICKET 75p

Vicky — BUS TICKET £1.35

Nita — BUS TICKET £1.55

How much **more** does **Nita** pay than **Asif**?

_____

Vicky then takes **another** bus from town to visit her auntie.

She pays **90p** on this bus.

How much has Vicky paid **altogether** for her two bus tickets?

_____

12 Write in the missing digits.

4 ☐ 4 + 3 8 ☐ = 8 5 1

Circle the number **nearest to 1000**

1060   1049   1100   960   899

Calculate **1025 – 336**

Write in the missing numbers.

$150 + \boxed{} = 500$

$172 - \boxed{} = 60$

A shop sells batteries in **packs of four** and **packs of two**.

4 batteries
£ 1.48
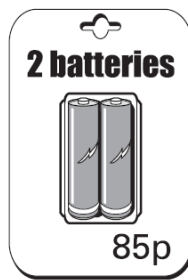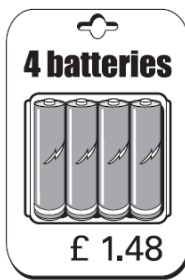
2 batteries
85p

Simon and Nick want two batteries each.
They buy a **pack of four** and share the cost equally.

How much does each pay?

Show your **working.** You may get a mark.

Book Sale
Any 3 books for £14.50

£3.99   £5.99   £6.99

Lee bought these **three books** in the sale for **£14.50**

How much money did he save altogether compared to the **full price** of the books?

Show your **working.** You may get a mark.

£

Calculate **369 + 251**

Mary buys **2 packs of two** batteries.
Hamid buys **1 pack of four**.

How much **more** does Mary pay than Hamid?

Show your **working.** You may get a mark.

This table shows the numbers of children who went walking, sailing or climbing at an outdoor centre.

	May	June	July
walking	25	80	75
sailing	15	42	50
climbing	18	27	23

How many children went **sailing** in **May, June and July** altogether?

How many **more** children went **walking** in **June** than **climbing** in **June**?