

University of Bristol

What's this?...

... It's your very own

friendly
MATHS
test

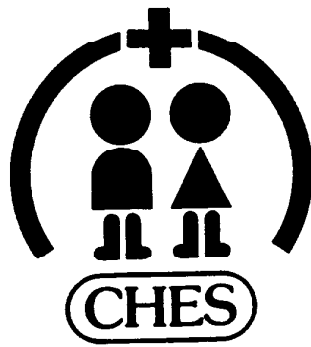
Central Survey Number

Name

Child's Birth Date

Date of Assessment *I2503/I2503M/I2503Y* (DD/MM/YY)...

School.....



University of Bristol

Ches Friendly Mathematics Test

Child Health and Education Study 1980.

Copyright 1979:

Department of Child Health Research Unit, University of Bristol.

Test authors: Colin Appleton, John Kerley. Artist: Sarah Braum.



what is
one
more than
three?

- 1
- 4
- 2
- 5
- 3

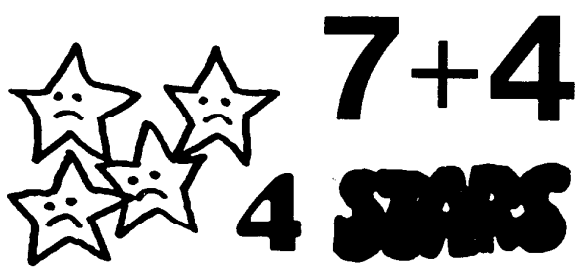
I2504

What is the
MISSING
number? +

$$\begin{array}{r} 5 \\ + ? \\ \hline 8 \end{array}$$

- 3
- 13
- 4
- 5
- 2

I2505



How
many
STARS
altogether
?

- 7
- 4
- 11
- 10
- 9

I2506

Add $+ \begin{array}{r} 349 \\ \underline{63} \end{array}$

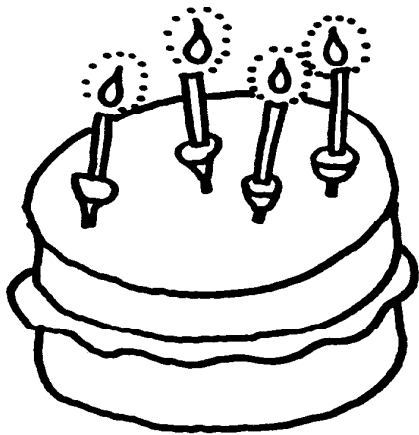
- 31012
- 323
- 412
- 421
- 283

I2507

Take away $- \begin{array}{r} 5 \\ \underline{5} \end{array}$

- $\frac{1}{2}$
- 1
- 01
- 0
- 10

I2508



what is
ONE
less than
FOUR ?

- 4
- 2
- 1
- 5
- 3

Take away

$$3 - 2$$

5

4

1

0

2

I2510

and
another
Take
away

$$\begin{array}{r} 432 \\ - 36 \\ \hline \end{array}$$

476

396

404

424

372

I2511

What is the

MISSING

number?

$$\begin{array}{r} 5 \\ - 3 \\ \hline \end{array}$$

none of
these

5

2

3

8

3

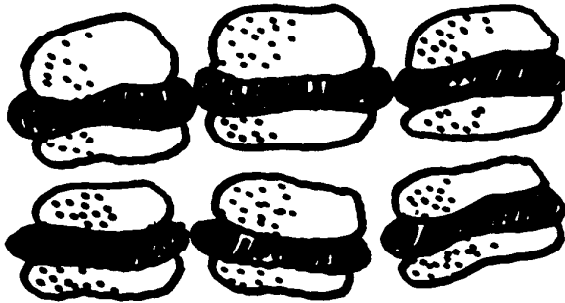
I2512


multiply \times 5
6

- 11
- 30
- $\frac{5}{6}$
- 35
- 56

I2513

How many burgers?



- $3 \div 6$
- $6 - 2$
- 2×3
- $2 + 2$
- $6 \div 2$

I2514

multiply **138**
again \times 7

- 916
- 875
- 963
- 715
- 966

I2515



$$\begin{array}{r} 3? \\ \times 5 \\ \hline 185 \end{array}$$

- 1
- 3
- 9
- 7
- 5

but what is it?

I2516

share

$$9 \div 3$$

- 6
- 4
- 27
- 3
- 12

I2517



I have a box of 48 icecreams in my freezer. If I only eat 8 a day, how many days will they last?

- 1
- 6
- 8
- 12
- 384

5

I2518



$$15 \overline{)80}$$

5

4 rem 10

6

5 rem 5

4

I2519

*I've left out a number, haven't I?
Do you know what it is?*

4

2

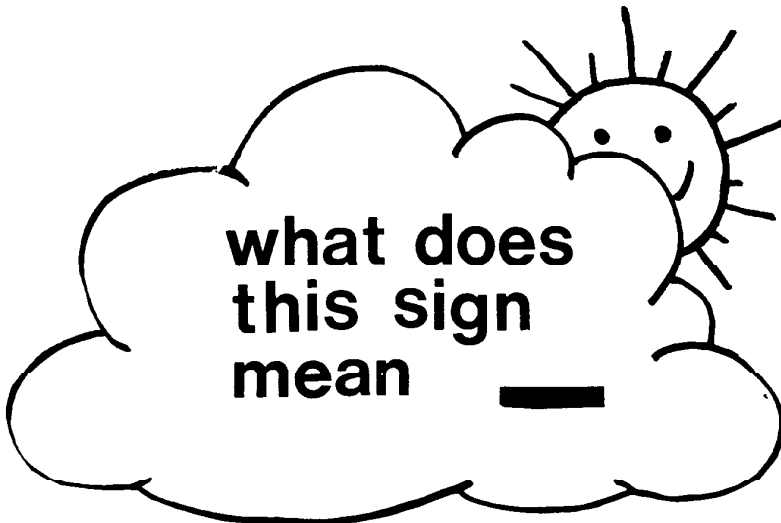
192

6

128

$$256 \div ? = 64$$

I2520



equals

share

add

take away

times

6

I2521

All these number sentences are *FIBS* except one. Which is the *TRUE* one?

(all right, a clue... you don't have to work them out)

$$\frac{5}{4} - 4 = 4 - \frac{5}{4} \quad \square$$

$$7 \div 3 = 3 \div 7 \quad \square$$

$$27 \times 2 = 22 \times 7 \quad \square$$

$$85 + 1208 = 1208 + 85 \quad \square$$

$$\frac{1}{10} - \frac{1}{2} = \frac{1}{2} - \frac{1}{10} \quad \square$$

I2522

what's

THIRTY~

FIVE

in figures ?

53

35

350

305

530

I2523

The **0**
in **703**

means...

70

No tens

Nothing

Ten tens

30

7

I2524

how many

TENS



are there

in this number ?

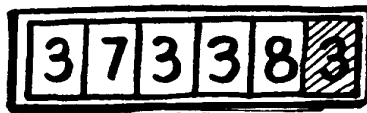
- 5
- none
- 1
- 6
- 15

I2525

The mileometer in a car shows the distance in miles and tenths of a mile



at START of journey



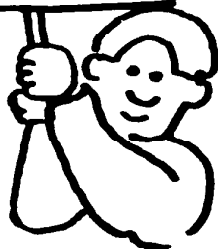
at END of journey

- 13.2 miles
- 132 miles
- 1.32 miles
- 14.0 miles
- 13.0 miles

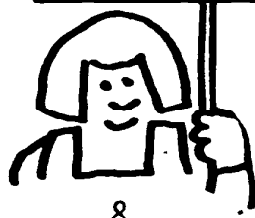
How far was this journey?

I2526

45%
are
BOYS



What
percentage
are
GIRLS?



- none of these
- 55 %
- 100 %
- 10 %
- 45 %

I2527

Do you know what

75%

is as a fraction?

- $\frac{75}{10}$
- $\frac{75}{1}$
- $\frac{7}{5}$
- $\frac{3}{5}$
- $\frac{75}{100}$

I2528

SMALLEST NUMBER?

- 2.0
- 10.0
- 1
- 0.9
- 1.5

I2529

$$\frac{2}{10} =$$

- 5.0
- 2.0
- 0.2
- 0.5
- 2.1

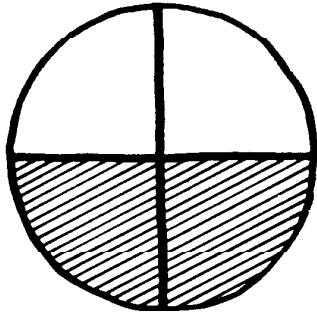
I2530

Please ADD

$$\frac{1}{2} + \frac{1}{2} =$$

- $2\frac{1}{2}$
- 2
- $\frac{1}{4}$
- 1
- $\frac{2}{4}$

I2531



What
fraction
is

SHADED?

- $\frac{1}{2}$
- $\frac{2}{1}$
- $\frac{2}{2}$
- $\frac{1}{1}$
- 2

I2532

What is

$\frac{1}{4}$ of 8 ?

- $\frac{1}{2}$
- $\frac{1}{32}$
- 4
- 32
- 2

10

I2533

Which fraction is

LARGEST

- $\frac{1}{2}$
- $\frac{1}{3}$
- $\frac{1}{4}$
- $\frac{1}{6}$
- $\frac{1}{5}$

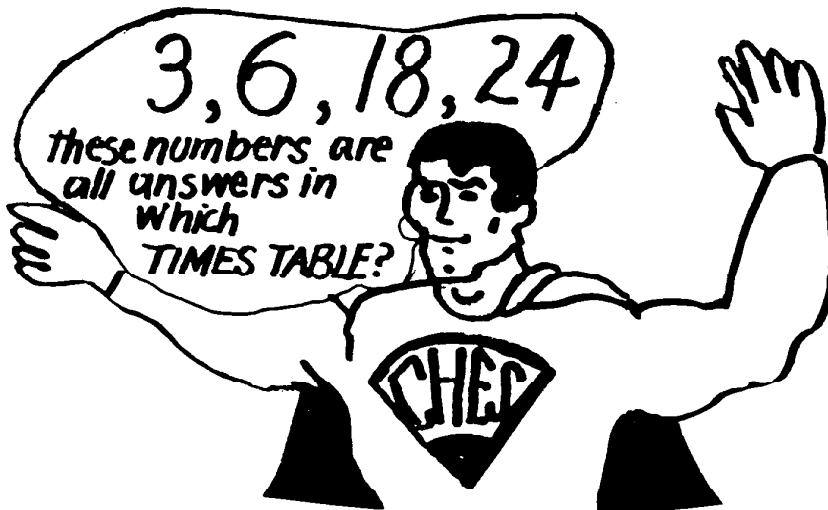
I2534



$\frac{6}{12}$ is the same as...

- $\frac{1}{12}$
- $\frac{12}{8}$
- $\frac{2}{3}$
- $\frac{1}{4}$
- $\frac{1}{2}$

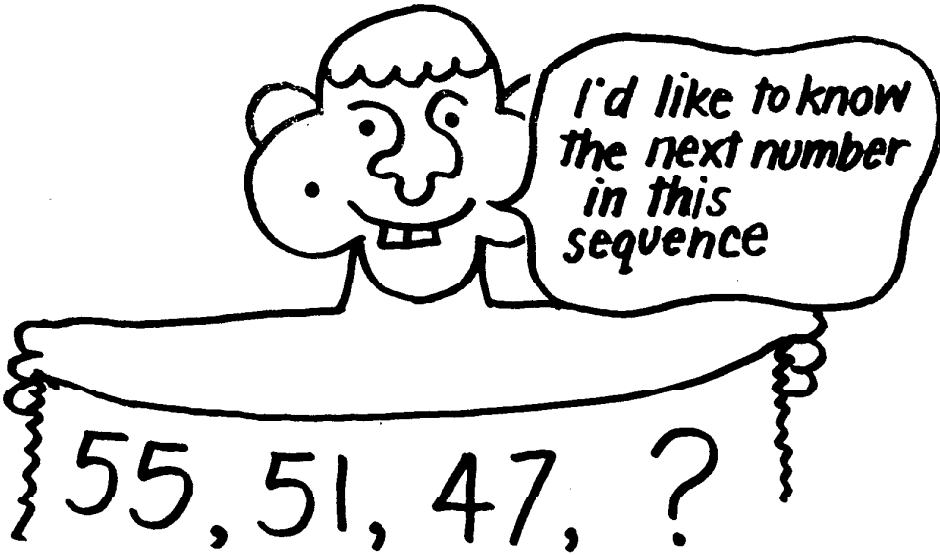
I2535



- 6 X
- 48 X
- 144 X
- 3 X
- 4 X

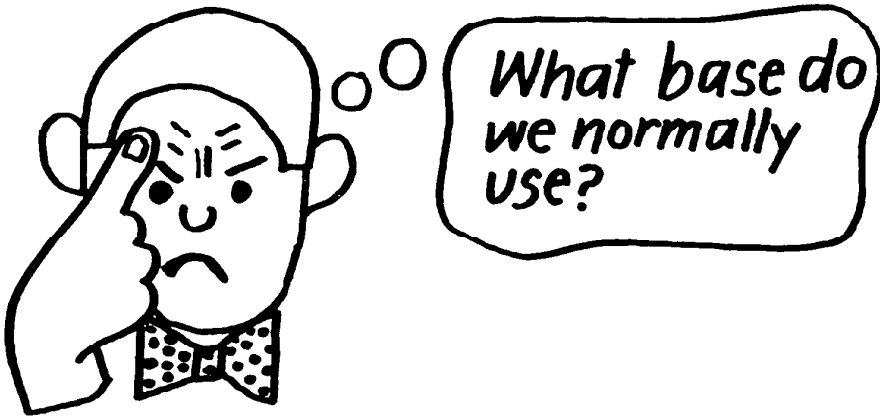
||

I2536



- 37
- 35
- 43
- 31
- 21

I2537



- ten
- twenty
- two
- one
- twelve

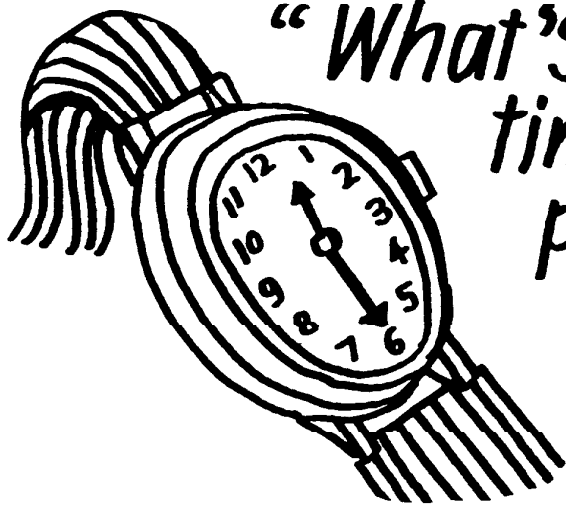
I2538

ROUND OFF

3109

to the nearest hundred, please

- 3200
- 3000
- 3100
- 311
- 3110

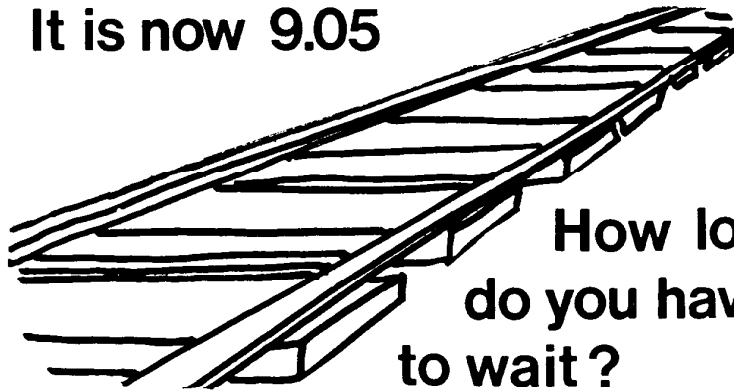


“What’s the time, please mister?”

- 6 o'clock
- between 1 and 2
- 12 o'clock
- $\frac{1}{2}$ past 6
- $\frac{1}{2}$ past 12

I2540

Your train is due at 10.52
It is now 9.05



How long do you have to wait?

- 47 mins
- 1 hr 47 mins
- 1 hr 57 mins
- 57 mins
- 1 hr 2 mins

I2541

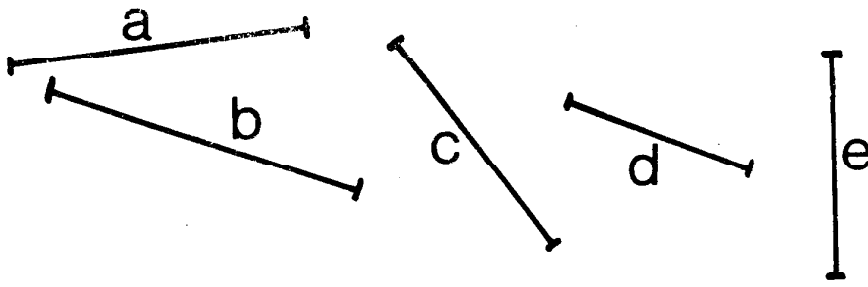
London → Wakefield → Leeds →
Harrogate → New Pudsey → Bradford
Mondays to Fridays

	King's Cross	Wakefield Westgate	Leeds	Harrogate	New Pudsey	Bradford Exchange
dep	01.10	07.12	08.05	07.26a	08.47a	08.57a
arr	04.05	08.32	08.54	→	09.27a	09.37a
dep	07.45	09.41	09.59	10.47a	10.21	10.28
arr	09.05	11.13	11.31	12.09	12.15a	12.25a
dep	09.50	11.43	12.01	12.50a	12.30a	12.40a

If you left on the 9.50 train from King's Cross, how long would it take you to reach BRADFORD EXCHANGE?

- 2 hrs 90 mins
- 17 hrs 10 mins
- none of these
- 2 hrs 50 mins
- 3 hrs 10 mins

I2542

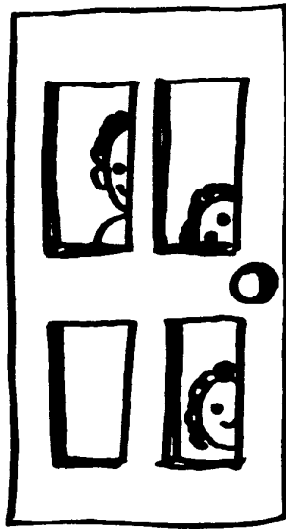


- e
- a
- b
- d
- c

Which line is shortest ?

I2543

Estimate
the
HEIGHT
of
your
CLASSROOM
DOOR.



- 2 centimetres
- 2 millimetres
- 2 kilometres
- 2 hectametres
- 2 metres

I2544

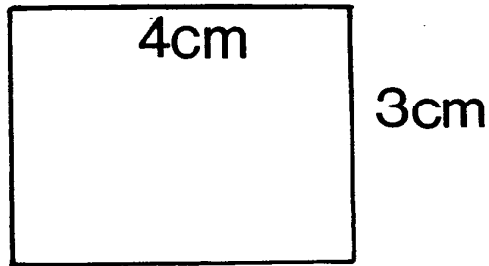
please tell me
please, which is a
unit of

AREA
please!

- kilometre
- cubic metre
- metre
- square metre
- millimetre

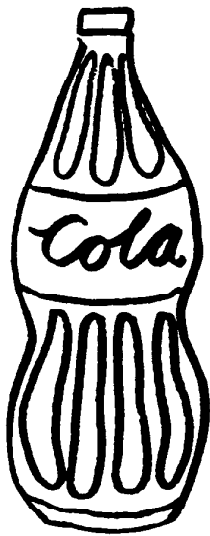
I2545

**What's the AREA
of this RECTANGLE ?**



- 4 cm²
- 12 cm²
- 7 cm²
- 14 cm²
- 3 cm²

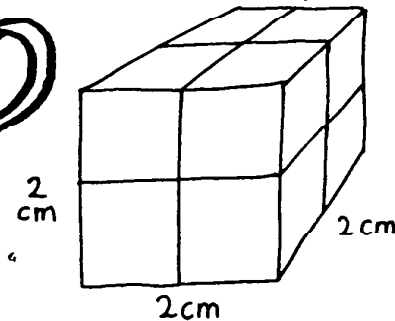
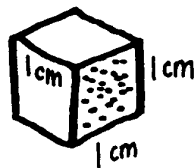
I2546



**What UNITS
do we use
to measure
the CAPACITY
of the bottle ?**

- kilograms
- milligrams
- litres
- grams
- metres

I2547

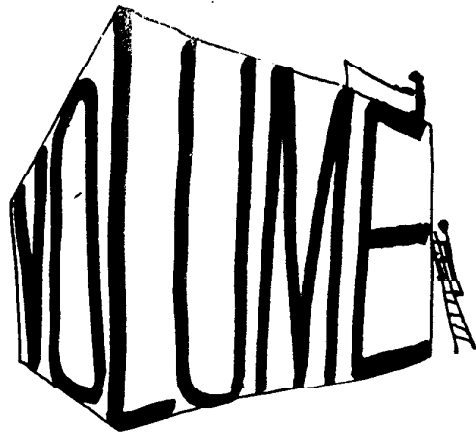


**How many of these
CENTICUBES
would fit into
this box ?**

- 8
- 2
- 4
- 6
- 12

I2548

**UNIT
OF**



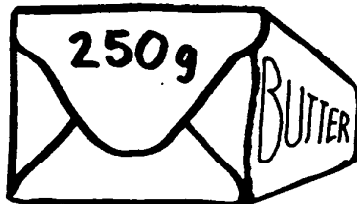
- kilometre
- square metre
- metre
- cubic metre
- millimetre

I2549

BUTTER

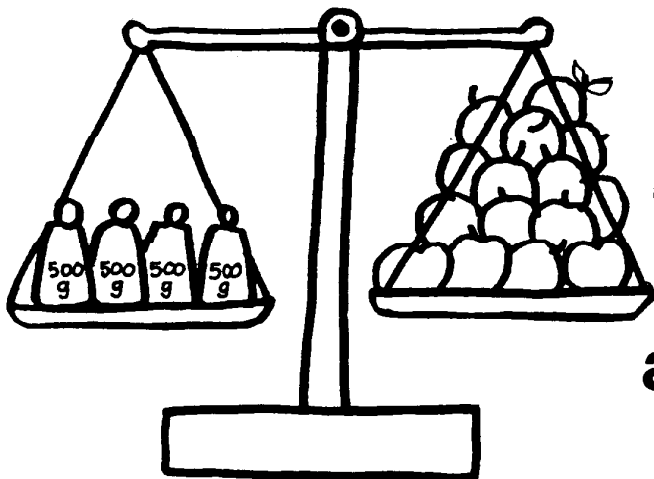
costs £1 per kilogram

**How much
is this pack ?**



- 50p
- £2.50p
- 25p
- £4
- £2

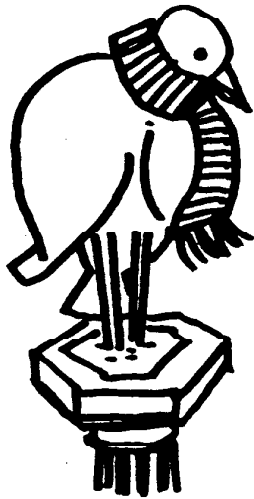
I2550



**How
heavy
are
the
apples ?**

- 200 kg
- 2 kg
- $\frac{1}{2}$ kg
- 20 kg
- 2000 kg

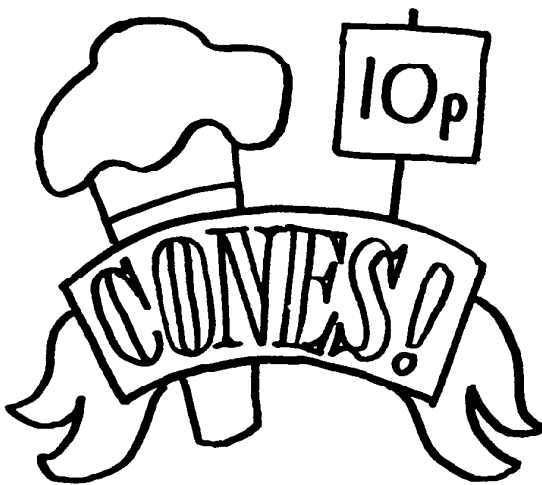
I2551



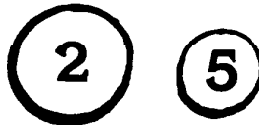
The bird bath has
FROZEN
 How cold is it ?

- 100^oc
- 3^oc
- 212^oc
- 28^oc
- 3^oc

I2552



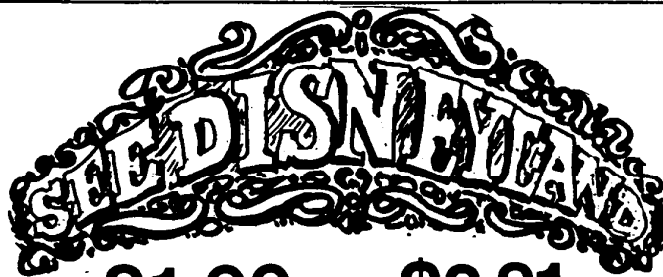
You have
 these coins:



- (2) (2)
- (2) (1)
- (5) (5)
- (2) (1)
- (5)

Which others
 do you need
 to buy a cone?

I2553

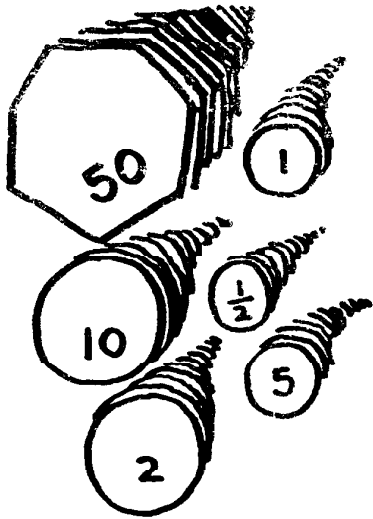


£1.00 = \$2.31

If ONE POUND is worth
 2.31 DOLLARS, how many
 DOLLARS would you get
 for £3?

- \$ 69.30
- \$ 0.69
- \$ 0.693
- \$ 0.77
- \$ 6.93

I2554



What is the least number of coins you could use to make 38p?

- 7
- 4
- 6
- 38
- 1

I2555

IF

A = 3

B = 4

C = 5

what is **A+B+C**?

- ABC
- 12
- none of these
- 345
- 60

I2556



AMANDA ate **TWICE** as many lollies as **WAYNE**.

If they ate **6** altogether, how many did **WAYNE** eat?

- 3
- 1
- 2
- 5
- 4

Mary is 32cm shorter than Peter.
Peter is 21cm taller than David.

Mary is 11 cm taller than David

Mary is 11 cm shorter than David

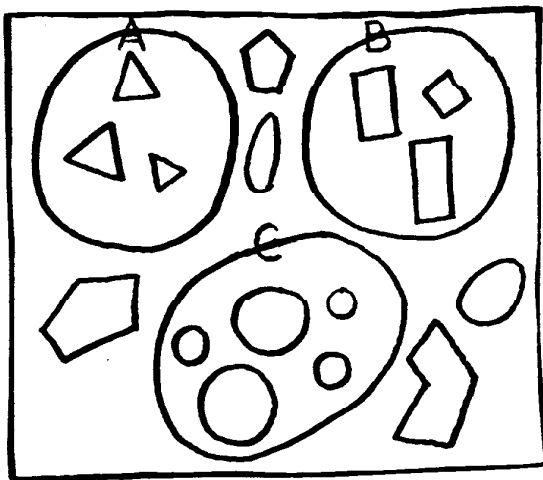
Mary is 53 cm shorter than David

Mary is 9 cm shorter than David

Mary is 53 cm taller than David

Which one is true?

I2558



Where would



go?

inside C

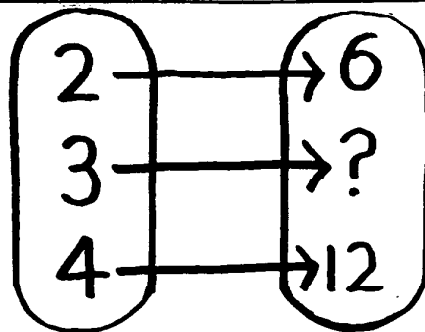
outside the rectangle

outside A, B & C but inside the rectangle

inside A

inside B

I2559



This relation is "is 3 times".
 What is the missing number?

6

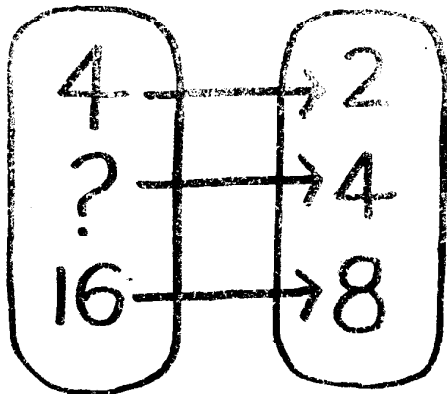
3

1

27

9

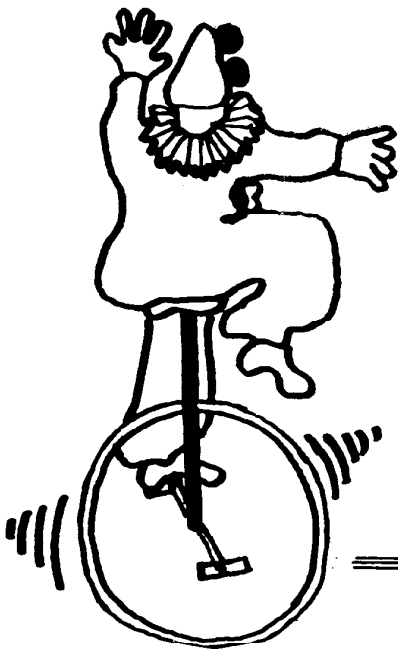
I2560



- 8
- 4
- 10
- 2
- 12

Help me with the missing number... please.

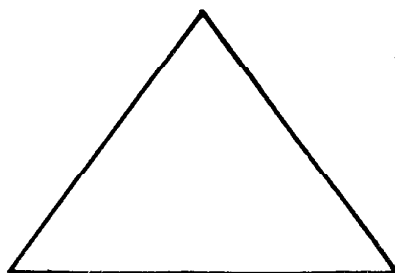
I2561



The **DIAMETER** of a bike wheel is 50cm.
About how far will it go in one turn?

- 50 cm
- 100 cm
- 150 cm
- 1 cm
- 2 m

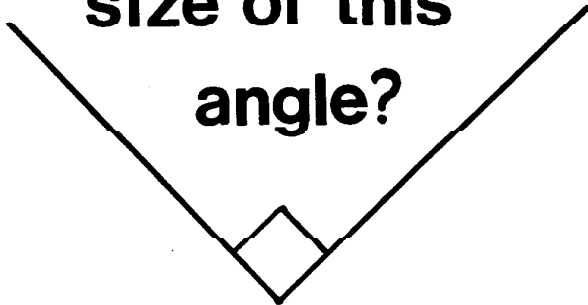
I2562



This is a

- square
- circle
- triangle
- rectangle
- oblong

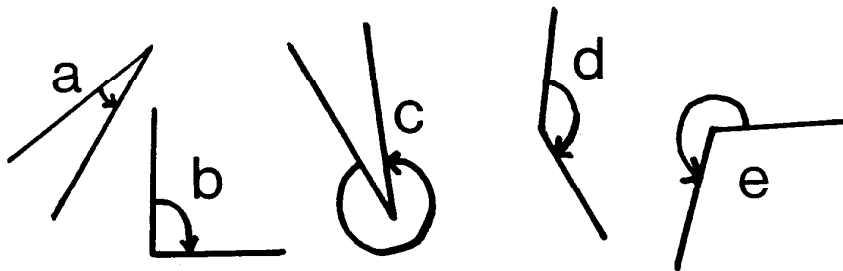
Do you know the size of this angle?



- 360°
- right angle
- 100°
- 180°
- square

I2564

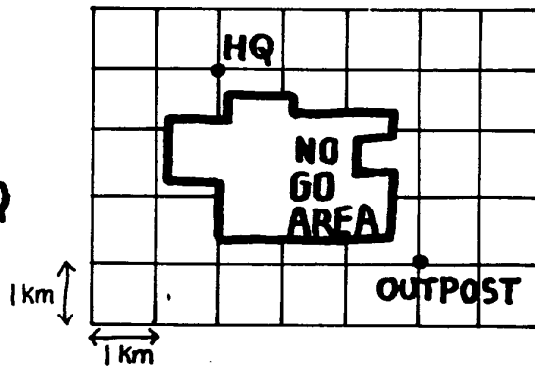
Which angle do you think is smallest?



- e
- c
- d
- b
- a

I2565

"The lines on the 1 km grid are roads. You have to drive from HQ to OUTPOST avoiding the NO-GO AREA. How far is your shortest route?"



- 5 km
- 7 km
- 6 km
- 4 km
- 8 km

I2566

NEWS FLASH!!

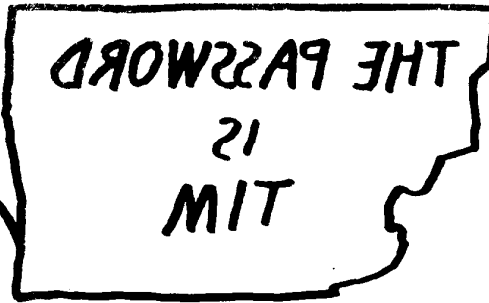
*"A wreck is 6km East, 3km North from the lighthouse.
The lifeboat is 3km East, 1km North from the lighthouse.
What is the position of the wreck from the lifeboat?"*

- 3km E, 3km N
- 2km E, 3km N
- 1km E, 6km N
- 3km E, 2km N
- 3km E, 6km N

I2567



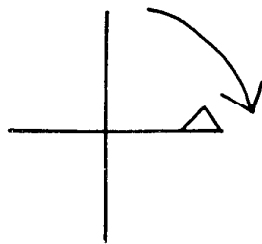
A SPY RECEIVES THIS MESSAGE :



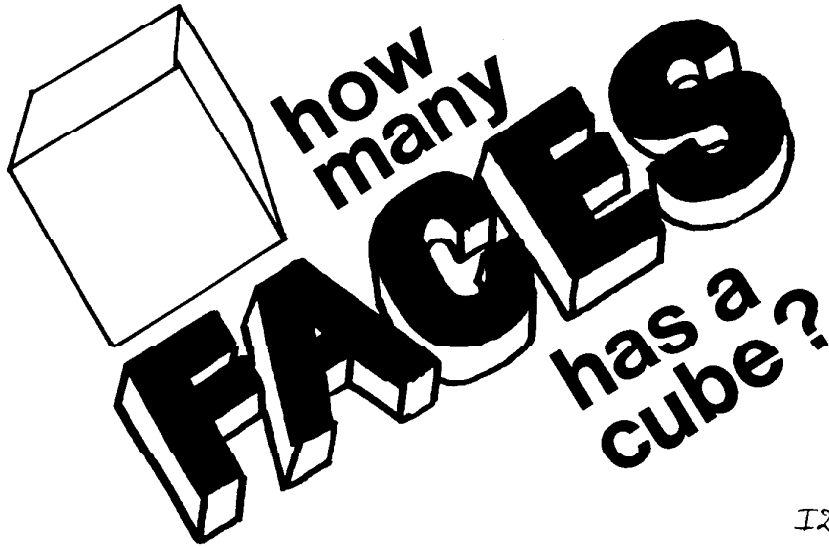
- tin
- mit
- tim
- nit
- wit

WHAT MUST SHE SAY? I2568

ROTATE THIS A $\frac{1}{4}$ TURN



-
-
-
-
-



- 3
- 8
- 5
- 4
- 6

I2570

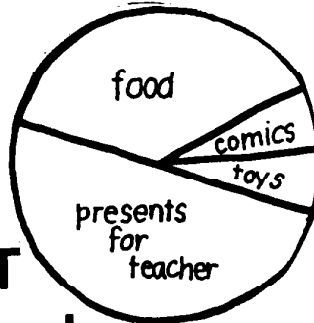
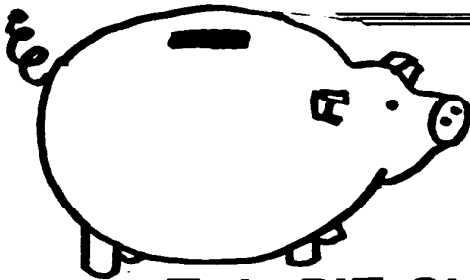
What would you call a line that goes straight down?



(towards the centre of the earth)

- parallel
- isosceles
- horizontal
- perpendicular
- vertical

I2571



This PIE CHART shows how I spent my pocket money. What did I spend MOST on?

- toys
- presents
- pies
- comics
- food

How many girls support LIVERPOOL?

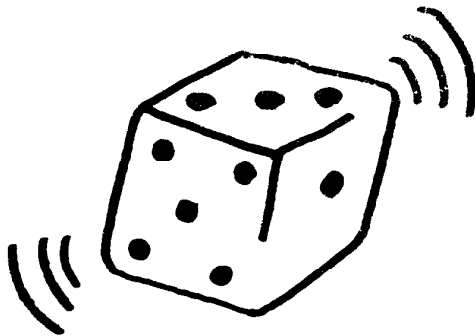


	Girls	Boys
ARSENAL	7	3
LIVERPOOL	4	6
NOTTS.F.	5	5

- 6
- 11
- 30
- 16
- none of these

I2573

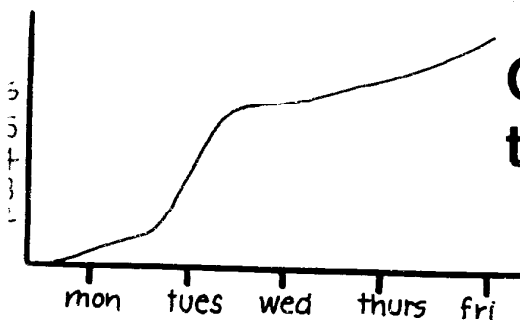
You roll the die ONCE. What is your chance of getting a **6**?



- 1 in 1
- nil
- 5 in 1
- 1 in 6
- 6 in 1

I2574

This is a line graph of a plant's growth.



On which day did the plant grow most?

- mon
- tues
- thurs
- fri
- wed

Coder Code I2576

I2575