

Page 17 - How the Eye Works

Section A

- 1) colour
- 2) marble
- 3) the Sun.
- 4) photographs
- 5) pupil.
- 6) brain.

Section B

1) Concave means	hollowed out
Looking through a concave lens things seem	Smaller
Convex means	rounded
Looking through a convex lens things seem	larger

- 2) To allow as much light as possible to enter the pupil.
- 3) The sensitive area at the back of the eye.
- 4) A hole at the back of the eye which is not sensitive to light.
- 5) Convex and concave.
- 6) Concave lenses.
- 7) Convex lenses.
- 8) Accept an answer that indicates that contact lenses are safer/easier/more comfortable than wearing glasses.

Page 19 - Louis Braille 1809 – 1852

Section A

- 1) three
- 2) eyes.
- 3) five
- 4) piano.
- 5) paper.
- 6) dots.

Section B

- 1) He cut his eye which became infected and the infection spread to both eyes.
- 2) Basket weaving, slipper making and knitting.
- 3) Some people were prejudiced and believed that blind people could not do as much as sighted people.
- 4) The letters were so large it took them a long time to feel them and by the time they reached the end of the sentence they had forgotten the beginning.
- 5) Both blind people and soldiers at night could read the books without light.
- 6) Accepts an answer that shows an understanding of what a huge achievement this was Louis Braille had found a way to help people like himself to read and write easily for the first time.
- 7) 'gentle manner' indicates a person who is caring, patient and understanding.
'lively mind' indicates a person who is interesting and intelligent.
- 8) Open ended. Accept an answer that gives evidence to support an opinion.

Tuesday 3rd November

Homophones

Some words are pronounced like other words but are different in spelling and meaning, e.g. main, mane
bear, bare.

Such words are called homophones.

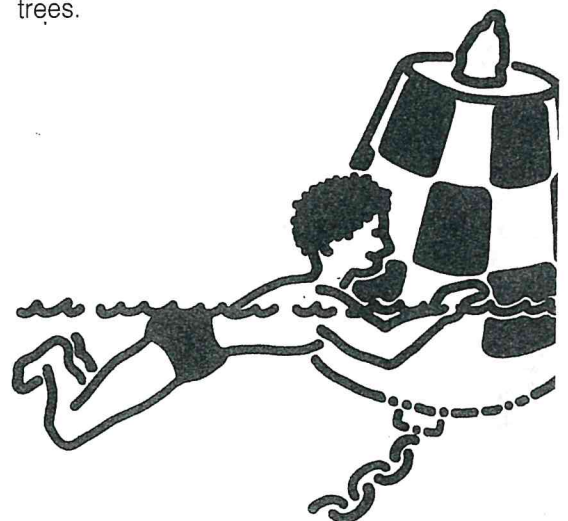
air	what we breathe
heir	one entitled to a dead person's property
allowed	permitted
aloud	loud enough to be heard
beach	the sea-shore
beech	a tree
boy	a male child
buoy	a floating marker for ships
brake	a device to check speed
break	to cause something to come into pieces
cereal	wheat, barley and oats are all cereals
serial	a story or film appearing in parts
check	to stop; a squared pattern
cheque	an order to a bank to pay money
coarse	rough
course	a track; an onward movement
currant	a dried grape
current	a flow of water, air, etc.
foul	filthy; wicked; vile
fowl	a bird

A Choose the correct word from the pair above complete each sentence.

- cereal** serial
Cornflakes are his favourite cereal.
- currant** current
These ___ buns are delicious.
- foul** fowl
Fulham were awarded a free-kick for a ___ on the goalkeeper.
- air** **heir**
Prince Charles is ___ to the throne.
- break** **brake**
New blocks had to be fitted to the front ___ of the bicycle.

B Write five pairs of words to complete these sentences.

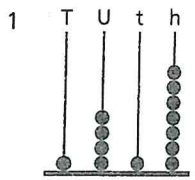
- Dad paid by cheque for his new check suit.
- The boy who fell overboard swam to a nearby buoy.
- Talking aloud is not allowed in the reading room of the library.
- Racing was difficult because the grass on the course was long and coarse.
- Not far from the sandy beach grew a clump of beech trees.



Monday 2nd Nov

Mental Arithmetic 4

A Answer



Write in words as a decimal the number shown on the abacus.

fourteen point one seven

- $8.03 = 8 + \frac{3}{100}$
- $2.26 + 1.04 = 3.3$
- $\text{£}3.04 = 3 \text{ p}$
- $248\text{cm} = 2.48 \text{ m}$
- Write $\frac{1}{4}$ as a decimal. 0.25
- $69468 - 3400 = 66068$
- $5.07 \times 100 = 507$
- Find in grams
 - 0.1 of 1kg 100 g
 - 0.7 of 1kg. 700 g
- Write as a decimal 503 hundredths. 5.03
- Round 346295 to the nearest 1000. 346000
- $0.92 + 0.08 = 1$

Monday 2nd Nov

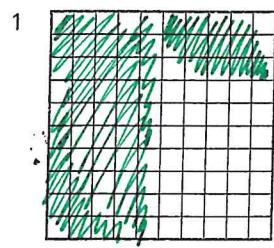
B Answer

- Write as a decimal, $30 + \frac{7}{10} + \frac{4}{100}$. 30.74
- What is the value in pence of the digit underlined?
 - $\text{£}100.\underline{4}0$ 40 p
 - $\text{£}15.0\underline{6}$ 6 p
- Write in metres and centimetres 109.46m. $109 \text{ m } 46 \text{ cm}$
- Write the missing signs +, -, x or ÷ in place of ● and ▲.
 $9 \bullet 6 = 3 \blacktriangle 5$ $\bullet + \blacktriangle \times$
- Write as a decimal 15 tenths 7 hundredths. 1.57
- Decrease 0.5l by 150ml. 350 ml
- How many hours and minutes from 2.25 p.m. to 4.05 p.m.? $1 \text{ h } 40 \text{ min}$
- Write the missing numbers.
 - $\frac{8}{12} = \frac{\quad}{3}$ $\frac{2}{3}$
 - $\frac{21}{24} = \frac{7}{\quad}$ $\frac{7}{8}$
- Divide $\text{£}15$ by 6 exactly. $\text{£ } 2:50$
- Find the area of a rectangle measuring 8.5cm by 6cm. 51 cm^2
- Divide 75kg by 100. Give the answer in grams. 750 g
- Which of these fractions are of equal value?
 $\frac{3}{4} \quad 0.6 \quad 0.75 \quad \frac{7}{10}$ $\frac{3}{4} \quad 0.75$

Wednesday 4th Nov

SECTION 1 Test 4

C Answer



Write as a decimal fraction the part of the square which is

- shaded 0.65
- unshaded. 0.35

- Badges cost 6p each. How many can be bought for $\text{£}1.56$? 26
- A teaspoon holds 5ml. How many spoonfuls in $\frac{1}{4}$ l? 50
- Find the missing number in this division.

$$\begin{array}{r} 17 \text{ r } 7 \\ 9 \overline{) \quad \quad \quad} \end{array}$$
 160
- Mince costs $\text{€}1.80$ per $\frac{1}{2}$ kg. Find the cost of mince weighing 600g. $\text{€ } 2:16$
- A triangle has two equal sides each measuring 36cm. Its perimeter is 1m. Find the length of the third side. 28 cm
- There were 6845 people at a concert. Write this number
 - to the nearest 100 6800
 - to the nearest 10. 6850
- There are two 2 place decimal numbers which are greater than 3.97 but less than 4.00. What are the numbers? $3.98 \quad 3.99$
- Fatima collected 150 pennies for the school fund. Olivia collected 3 times as many. How many $\text{£}1$ coins did they receive in exchange? 6
- Jamie's stride measures 40cm. How many strides will he take in walking 10m? 25
- A rectangular path measures 9m long and 50cm wide. Find its area in m^2 . 4.5 m^2
- cm

A B

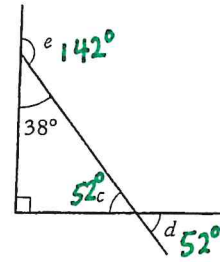
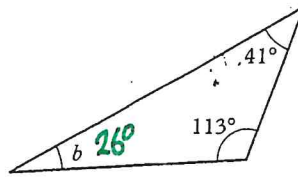
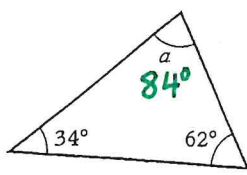
The line AB is drawn to a scale 1cm to 20cm. Find the length the line represents

 - in centimetres 160 cm
 - in millimetres. 1600 mm

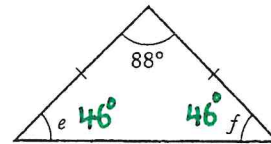
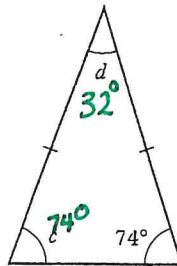
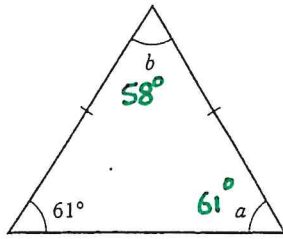
Thursday 5th Nov

Section 3: Angles in triangles

1 Calculate the angles marked with letters.

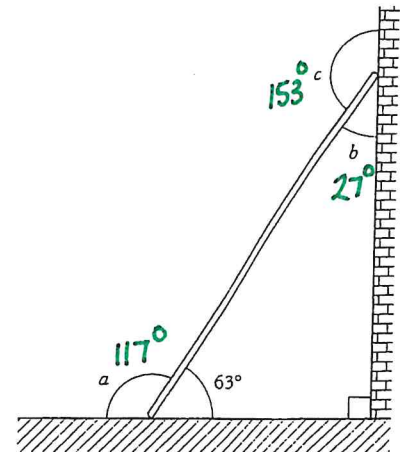
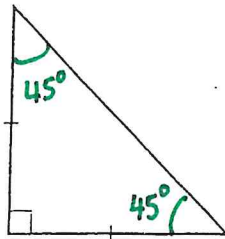


2 Calculate the angles marked with letters.



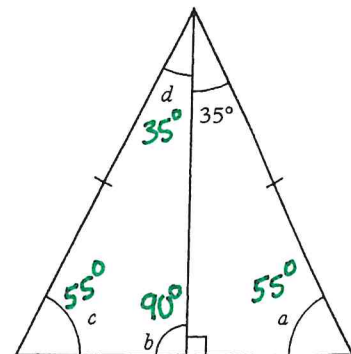
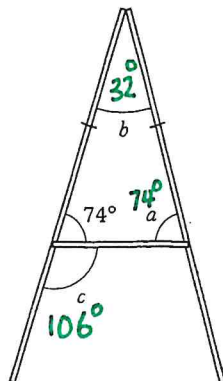
- 3 a Draw a large isosceles triangle that has a right angle.
 b Measure the other angles of the isosceles triangle.

- 4 A ladder rests against a wall. The acute angle between the ladder and the ground is 63°. Calculate the angles marked with letters.



- 5 The sketch shows a pair of step ladders. Calculate the angles marked with letters.

- 6 The sketch shows the end of a tent. Calculate the angles marked with letters.



Thursday 5th November

Homophones

herd	a number of animals together
heard	past tense of hear
key	locks a door, etc.
quay	a landing-place for ships
night	time between evening and morning
knight	a titled gentleman
muscle	part of the body
mussel	a shellfish
place	a particular part of space
plaice	a flat-fish
profit	gain; benefit
prophet	one who foretells events
sew	to work with needle and thread
sow	to scatter seed
stile	steps in a fence or wall
style	fashion
vale	a valley
veil	thin material covering face
stationery	writing materials
stationary	standing still

A Choose the correct word from the pair above to complete each sentence.

- vale** veil **veil**
The bride wore a ___ of lace.
- stationery** stationary
The fast sports car collided with a ___ saloon car.
- profit** prophet
The ___ foretold the defeat of the Hebrews.
- sow **sew**
In spring farmers plough their fields and ___ the seed.
- muscle **mussel**
Having pulled a ___ in his thigh the centre-half had to leave the field.

B Complete each sentence by using a suitable pair of homophones from your list.

- The thundering hoofs of the stampeding herd of buffalo could be heard from a long way-off.
- The key to the sailor's chest was found lying on the quay.
- The black knight rode out one night to attack the baron's castle.
- The athlete vaulted over the stile in fine style.
- The fishmonger put the huge plaice in a prominent place on the marble slab.

