



BROAD HORIZON
— TUITION —

11+ Tuition

Year 4

Week 27

ANSWERS

Starter Task – Quick Revision

1. Workout the area and perimeter of this shape **(2 marks)**



2. Workout $\frac{4}{9}$ of 270
120
3. Workout $\frac{3}{7}$ of 357
153
4. $(3^2 + 10 - 2) \times (4 + 6 - 2^3)$
34
5. Convert 0.45 into a percentage
45%
6. What is the median of 8, 4, 17, 2, 7 and 11
7.5
7. $4.5 \div 1000 =$
0.0045
8. What is $648 \times 7 =$
4536
9. What is 35% of 220 **77**

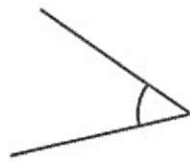
Exercise C

1. Pity
2. Retain
3. Folklore
4. Emergency
5. Glorious
6. Spherical
7. Abduct
8. Amiable
9. Precise
10. Constable

Types of Angles - Practice

Write the type of angle:

1.



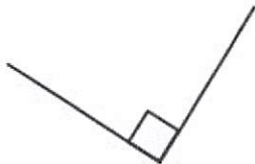
Acute

2.



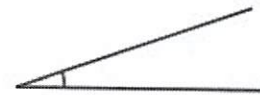
Obtuse

3.



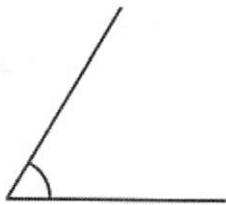
Right

4.



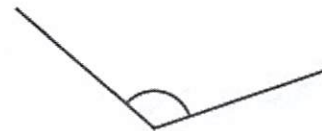
Acute

5.



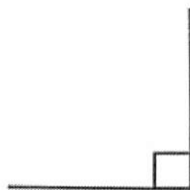
Acute

6.



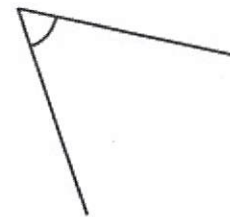
Obtuse

7.



Right

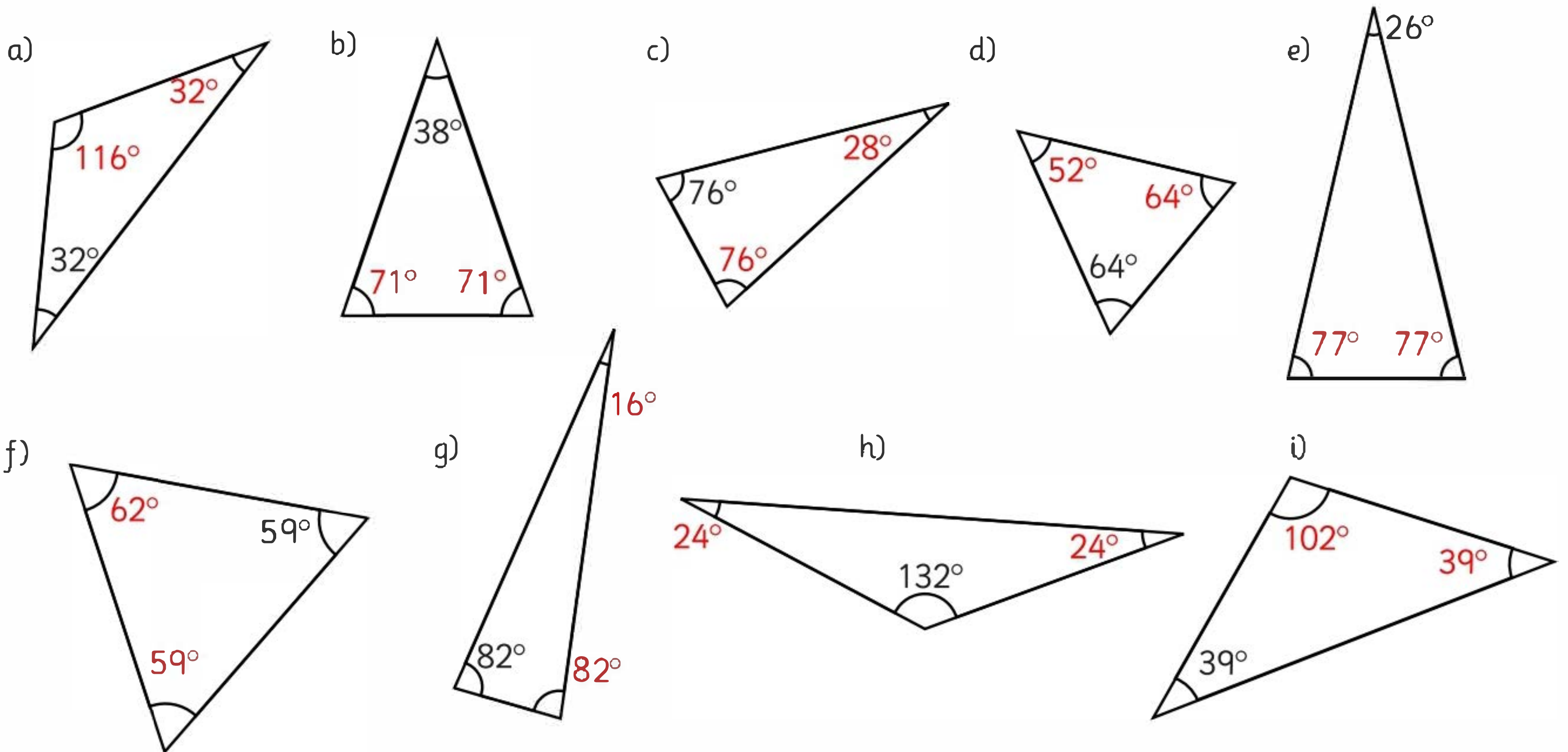
8.



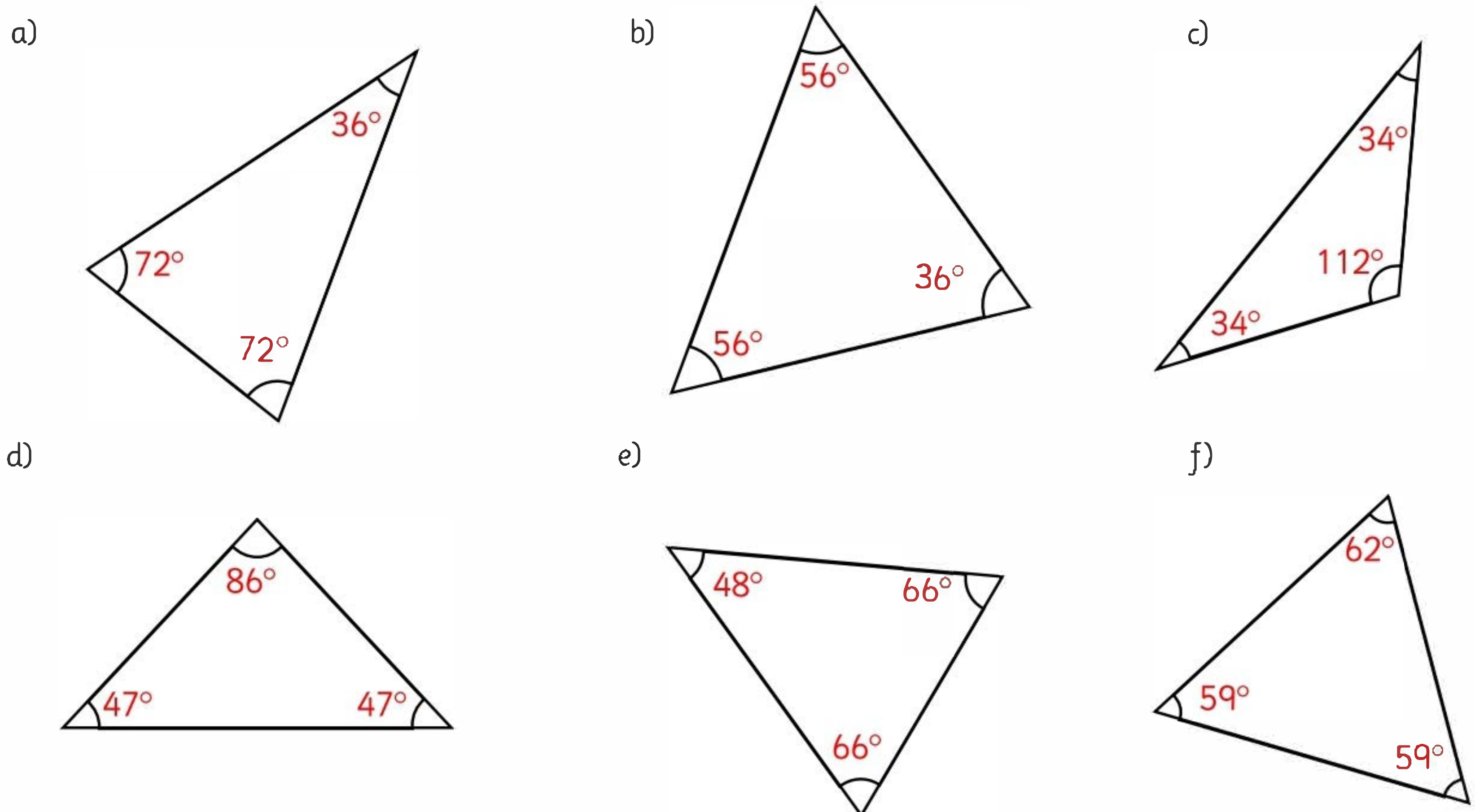
Acute

Missing Angles in Isosceles Triangles - Answers

Calculate the missing angles in these Isosceles triangles.



Estimate the missing angles in these Isosceles triangles. Ensure the sum of all the angles is correct. Measure the angles when you have finished to check how accurate your estimations were.



Name : _____

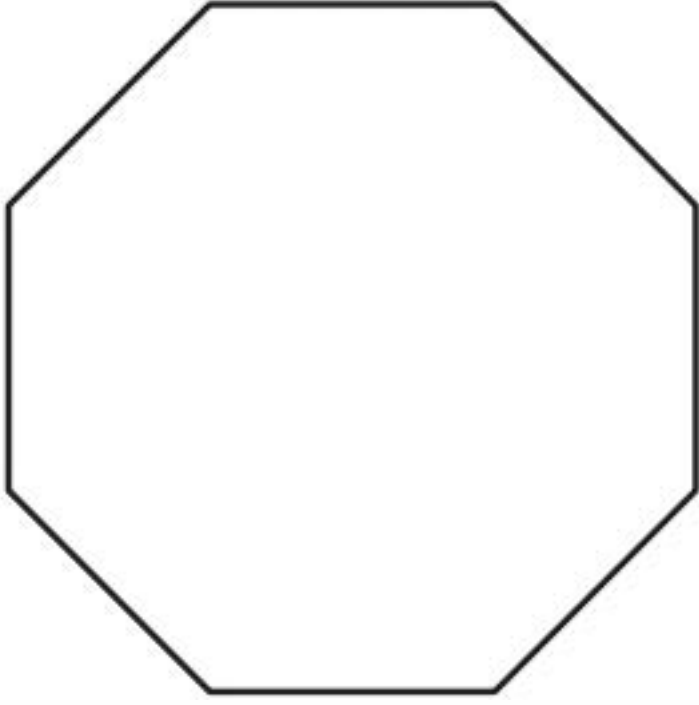
Answer key

ES1

Sum of Interior Angles

Find the sum of the interior angles of each polygon.

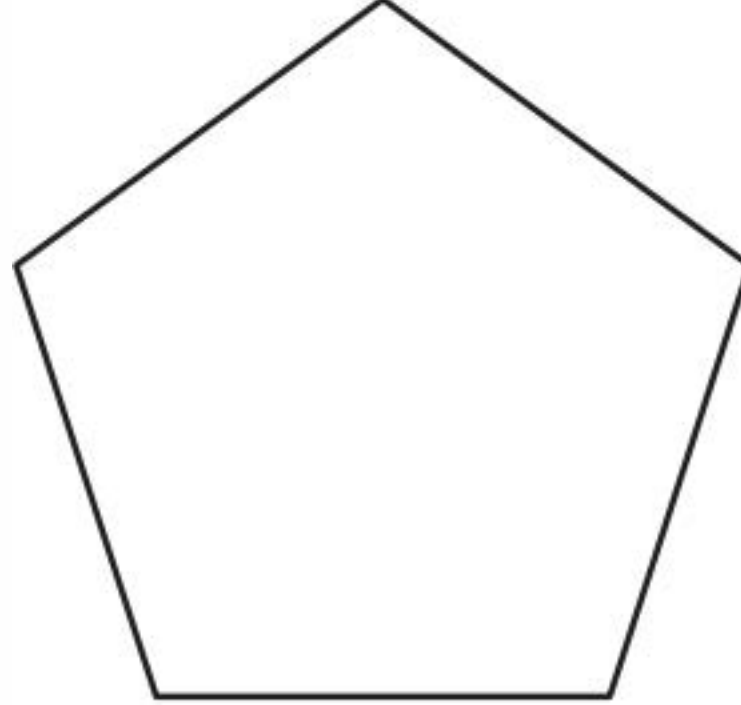
1)



Number of sides = 8

Sum of the interior angles = 1080°

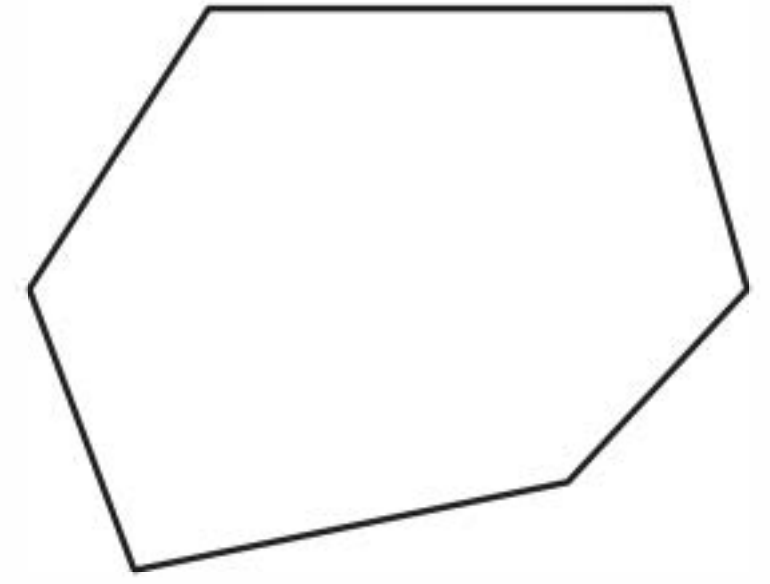
2)



Number of sides = 5

Sum of the interior angles = 540°

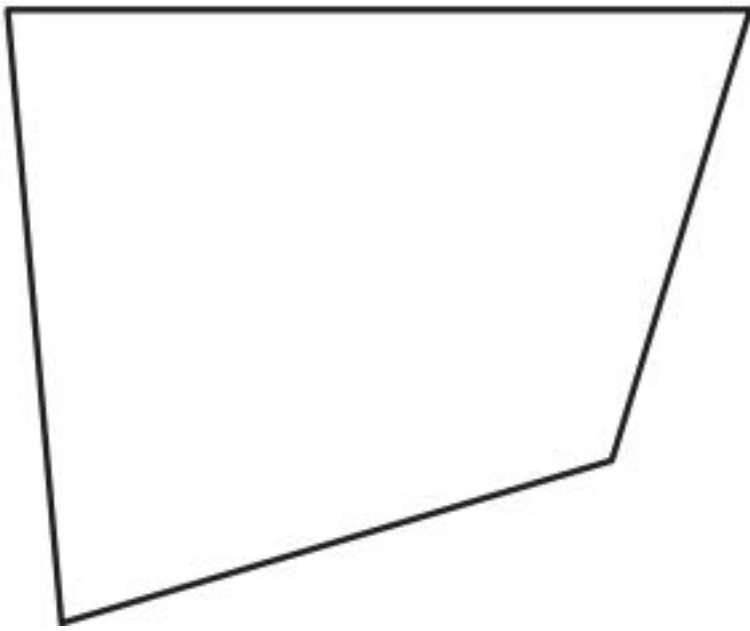
3)



Number of sides = 6

Sum of the interior angles = 720°

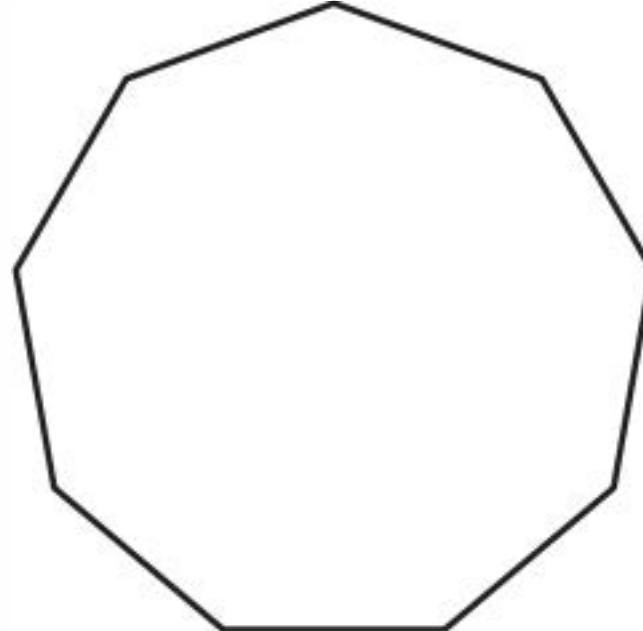
4)



Number of sides = 4

Sum of the interior angles = 360°

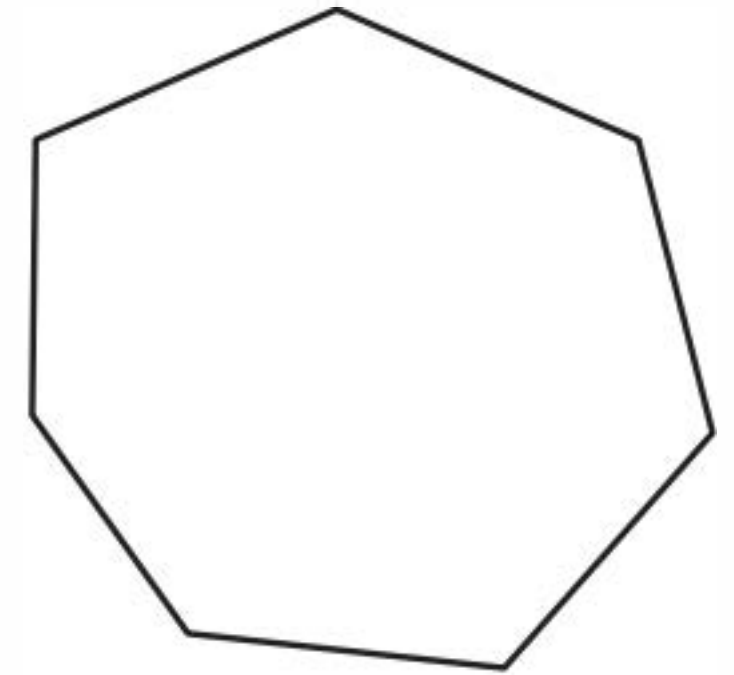
5)



Number of sides = 9

Sum of the interior angles = 1260°

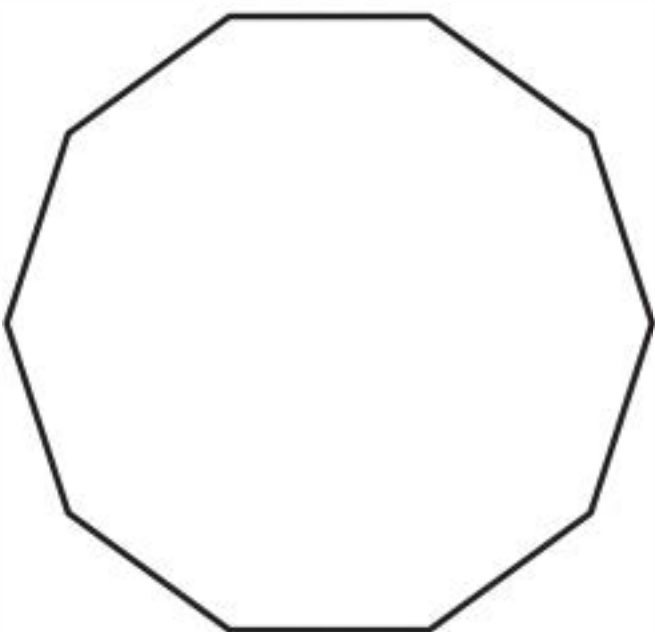
6)



Number of sides = 7

Sum of the interior angles = 900°

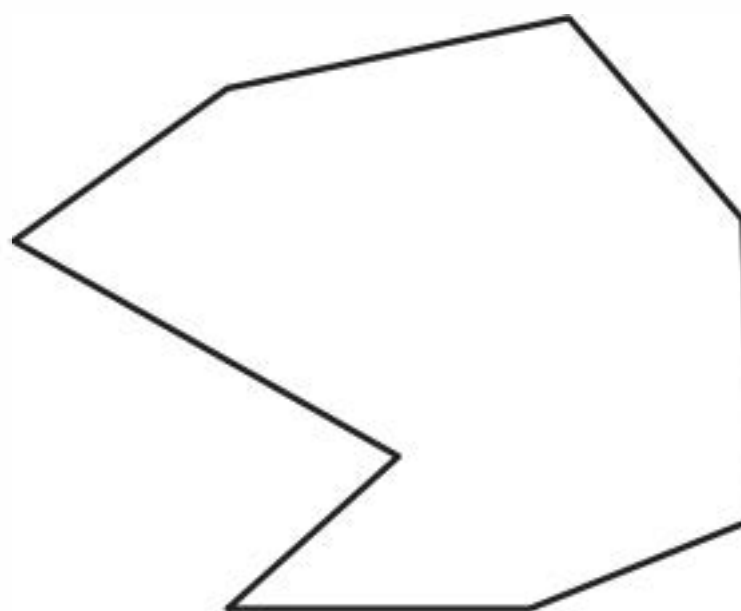
7)



Number of sides = 10

Sum of the interior angles = 1440°

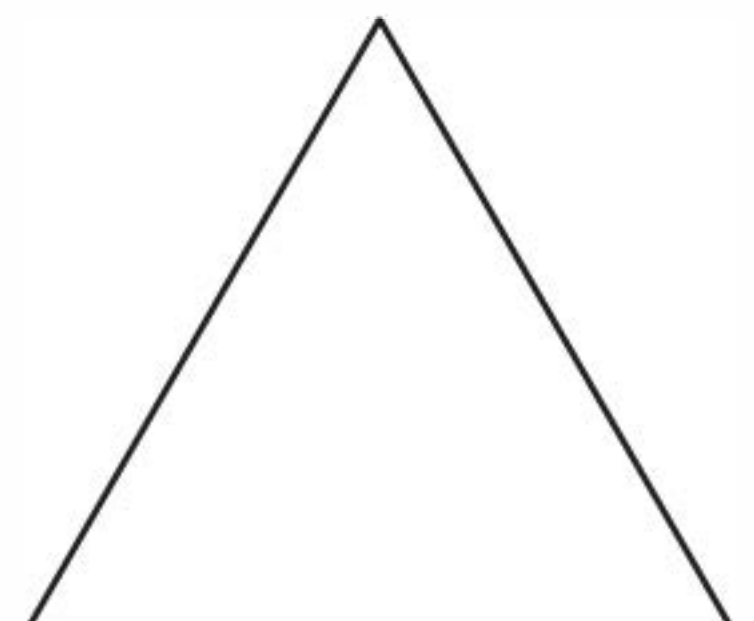
8)



Number of sides = 8

Sum of the interior angles = 1080°

9)



Number of sides = 3

Sum of the interior angles = 180°

Name : _____

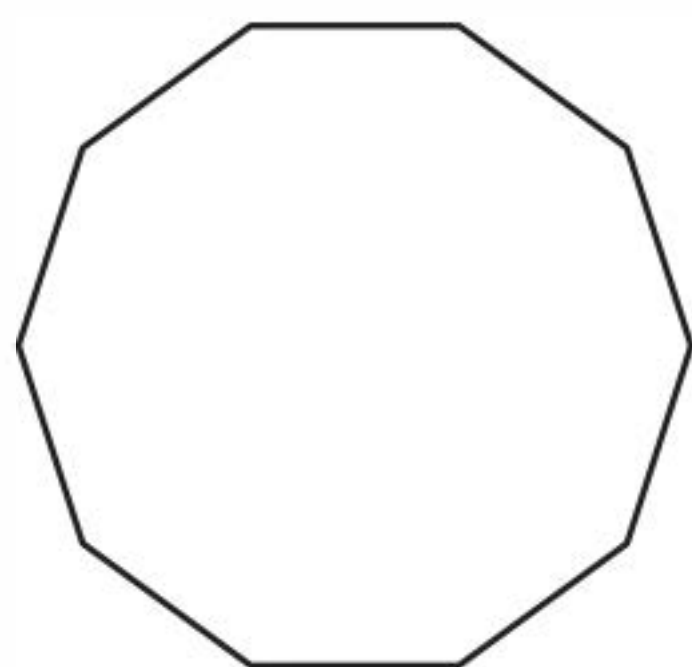
Answer key

MS1

Sum of Interior Angles

Find the sum of the interior angles of each polygon.

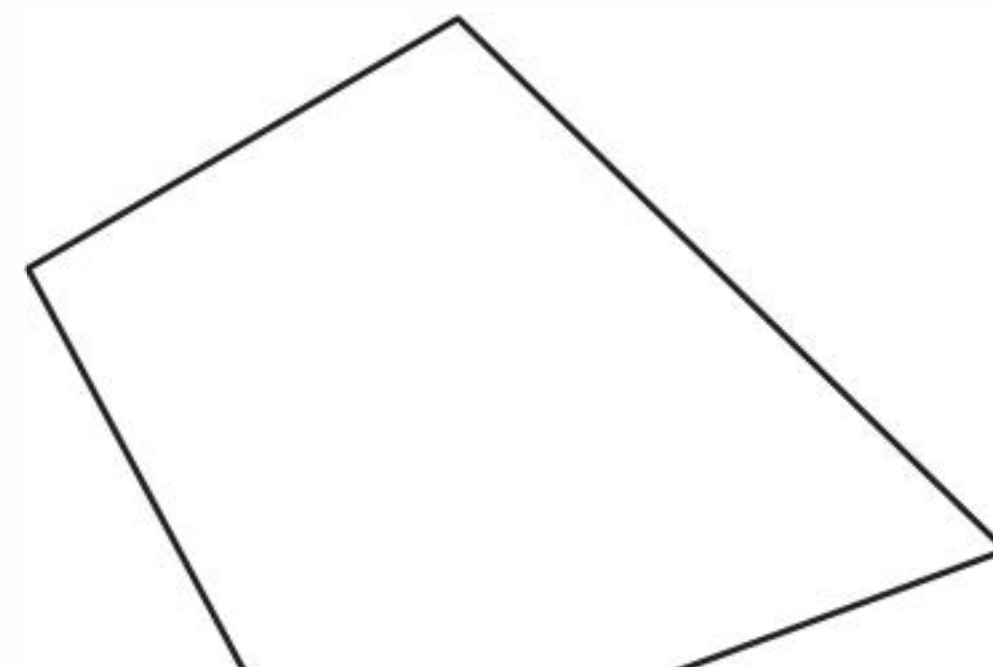
1)



Number of sides = 10

Sum of the interior angles = 1440°

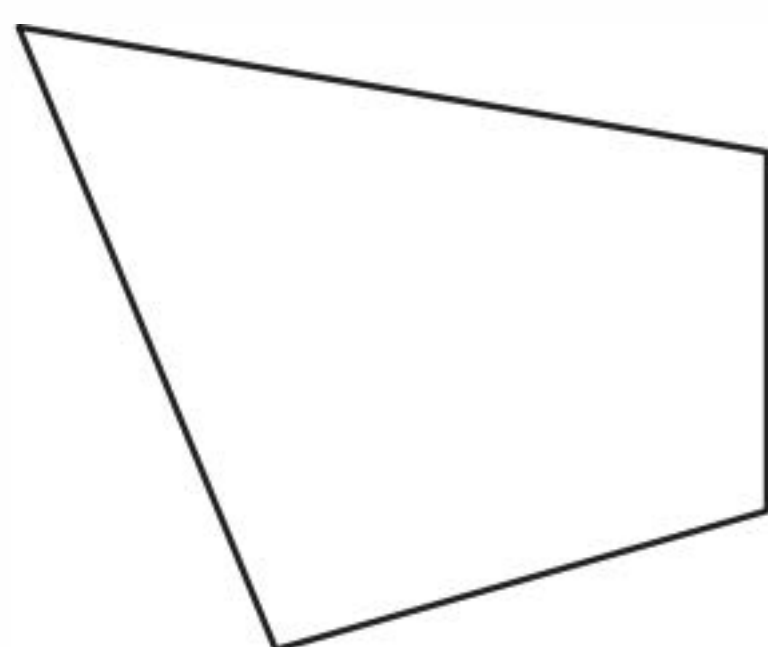
2)



Number of sides = 5

Sum of the interior angles = 540°

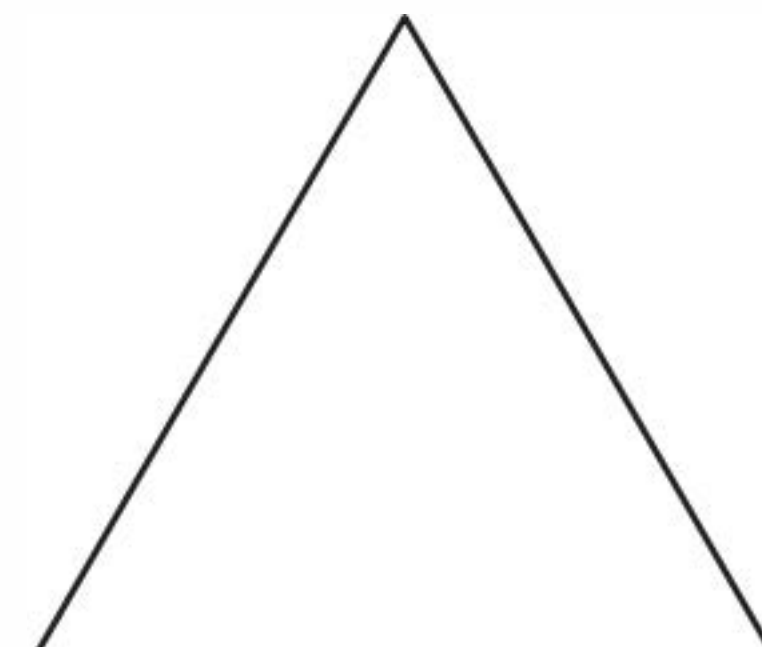
3)



Number of sides = 4

Sum of the interior angles = 360°

4)



Number of sides = 3

Sum of the interior angles = 180°

5) 12-gon

Number of sides = 12

Sum of the interior angles = 1800°

6) 17-gon

Number of sides = 17

Sum of the interior angles = 2700°

7) 18-gon

Number of sides = 18

Sum of the interior angles = 2880°

8) 14-gon

Number of sides = 14

Sum of the interior angles = 2160°

Anagram Anacondas

YNOHTP — PYTHON

IPVSER — VIPERS

Test 5 — pages 20-23

1. B

The phrase 'my memory is playing tricks on me' can be a way of saying that you can't remember something. This suggests that the narrator's memory isn't as good as it used to be.

2. C

Line 3 states that the narrator is the "youngster" of the party.

3. D

Line 4 gives "experience, character, knowledge" as qualities that make up a man, but self-confidence is not mentioned.

4. B

To 'warm at the thought' can mean 'to flush'. Although this could be interpreted as embarrassment, in lines 5-6, the narrator says he was "coming into my own". This means that the narrator is starting to gain the trust and respect of his colleagues, the thought of which has made him flush with pride.

5. C

"the pride which goes before a fall" is a phrase which means 'being overconfident can sometimes lead to mistakes'.

6. A

"exhilarated" means "excited". Line 10 states that sleep seemed impossible because the narrator was "unduly excited".

7. A

Lines 13-14 state that Lord John was "wrapped in the South American poncho", not Summerlee.

8. B

Lines 15-16 state that the "full moon was shining" and that the air was "cold". It is not a quiet night because Challenger's snores "reverberated through the woods".

9. D

Lines 18-19 describe how the narrator intends to return with a "record" of his visit to the central lake, and he hopes the others will consider him an "even more worthy associate".

10. B

Line 3 states that the narrator is the youngest in the group. Lines 16-17 suggest the narrator is impulsive — the thought of the walk came "suddenly" and the fact that he acted upon his sudden thought suggests he can be impulsive.

11. A

"Stole" can mean 'to move quietly and inconspicuously'.

12. B

"Associate" means 'companion'.

Test 6 — pages 24-27

1. B

Line 2 states that Timbuktu is remote, and lines 3-6 state that Timbuktu takes a long time to get to. This suggests that Timbuktu is isolated.

2. D

Lines 2-3 state that Timbuktu is a city in a West African country. Therefore, Timbuktu is in Africa.

3. C

Lines 5-6 state that Timbuktu is situated on "the southern edge of the Sahara Desert". Therefore, the Sahara Desert is located to the north of Timbuktu.

4. B

Lines 7-9 state that early settlements were established in Timbuktu because the River Niger "provided water and grazing land".

5. A

Line 11 states that the Niger River was "used for transporting goods".

6. D

Line 12 states that in the fourteenth century (the 1300s), trade in salt was "thriving". "Thriving" means 'flourishing'.

7. B

"a hive of intellectual activity" suggests that there were a lot of intellectuals in Timbuktu, making it a busy and important place of learning.

8. C

Line 14 states that the manuscripts were "imported to Timbuktu" and line 15 states that some texts came from Egypt. Therefore, the manuscripts can be described as 'foreign'.

9. A

Lines 15-16 state that scholars who made pilgrimages to Mecca sometimes copied texts to take back to their own libraries, therefore pilgrims would be the most likely option.

10. D

Line 17 states that "personal libraries were prevalent among Timbuktu's scholarly elite". Since the elite represents only a small proportion of society, not all inhabitants of Timbuktu would have owned their own library.

11. D

Line 22 states that the Institute was named "in honour of Baba". To name something in honour of someone is a sign of respect.

12. B

"prevalent" means 'widespread'.

Test 7 — pages 28-31

1. A

Line 1 states that Mrs. Darling "loved to have everything just so". This means she has an exact and particular way of doing things.

2. B

Lines 1-2 state that Mr. Darling had a "passion for being exactly like his neighbours". Therefore, because his neighbours have nurses, the family has to get a nurse.

3. A

Line 3 states that the Darling family is "poor", so they can't afford a human nurse.

4. D

Line 3 says that the family were poor "owing to the amount of milk the children drank".

Q9 D trash

The others are associated with fires.

Q10 A elastic

The others are occupations.

Q11 B plastic

The others are an artist's equipment.

Q12 D store

The others are religious buildings.

Q13 C ranch

The others are types of stationery.

Q14 C rib

The others are types of joints in the body.

Q15 C herd

The others are farm animals.

**Associated Words: Compound Words
Test 29**

Q1 tablecloth

Q2 eggcup

Q3 hosepipe

Q4 gentleman

Q5 grandstand

Q6 headache

Q7 dustpan

Q8 fireguard

Q9 classroom

Q10 cupboard

Q11 handbag

Q12 weekend

Q13 backyard

Q14 overboard

Q15 daybreak

Associated Words: Word Pairs Test 31

Q1 B

right

Q2 A

produce

Q3 B

refuse

Q4 B

drain

Q5 E

suspend

Q6 B

lean

Q7 D

contest

Q8 C

contract

Q9 E

lodge

Q10 A

suspect

Q11 B

permit

Q12 C

harbour

Q13 D

perfect

Q14 A

close

Q15 B

wound

Associated Words: Word Pairs Test 32

Q1 A

entrance

Q2 D

beam

Q3 E

match

Q4 C

saw

Q5 D

stalk

Q6 A

hail

Q7 E

down

Q8 B

chip

Q9 E

sink

Q10 C

stall

Q11 A

bow

Q12 B

bank

Q13 D

lie

Q14 B

address

Q15 C

box

the ball, and then the whistle blew; the trophy was theirs.'

- brought** — The sentence should be 'Manjit brought crisps and sandwiches to the garden party.'
- longer** — The sentence should be 'This week's play was longer than last week's.'

PAGE 19 — CHOOSE A WORD

- nervously** — 'Marco waited **nervously** at the side of the pool.'
- lining** — 'Five other swimmers were **lining** up'
- took** — 'He snapped his goggles on and **took** a deep breath.'
- if** — 'He had to win this race **if** his school was to stand any chance of winning the competition.'
- currently** — 'The tallest building in the world is **currently** the Burj Khalifa'
- Completed** — '**Completed** in 2009'
- measures** — 'it **measures** over 828 m'
- height** — 'twice the **height** of the Empire State Building.'
- first** — 'Martial arts were **first** practised over 4,000 years ago'
- reasons** — 'Today, there are many **reasons**'
- fit** — 'Some people practise martial arts to stay **fit**'
- balance** — 'others find that it helps their coordination and **balance**'.

PAGE 21 — FILL IN MISSING LETTERS

- raised** — 'Pupils and teachers at Mossbridge School have **raised** over £500.'
- successful** — 'after a **successful** summer fair.'
- field** — 'The fair was held on the school playing **field**'.
- visitors** — 'attracting over 200 **visitors**'.
- prizes** — 'a raffle with a variety of great **prizes**'.
- brilliant** — 'It was a **brilliant** day.'
- country** — 'In this **country**'
- Other** — '**Other** countries and cultures have their own lucky symbols.'
- fortune** — 'the number 8 is meant to bring good **fortune**'
- capital** — 'held in China's **capital** city, Beijing'
- prevent** — 'they would **prevent** a home'
- struck** — 'from being **struck** by lightning.'
- clock** — 'The **clock** struck six'
- slippers** — 'Beth put a pair of **slippers** down to warm.'
- everyone** — '**everyone** brightened to welcome her.'
- stopped** — 'Meg **stopped** lecturing'
- forgot** — 'Jo **forgot** how tired she was'
- nearer** — 'she sat up to hold the slippers **nearer** to the blaze.'

PAGE 22 — FILL IN MISSING LETTERS

- buildings** — 'Like most of the **buildings** in London'
- timber** — 'the bakery was made from **timber**'
- neighbouring** — 'engulfed the **neighbouring** structures'
- uncontrollable** — 'the fire became **uncontrollable**'.
- through** — 'the fire raged **through** the city'

- tragedy** — 'This **tragedy** became known as the Great Fire of London.'
- catch** — 'the professor would **catch** a train to work in the morning'
- evening** — 'in the **evening** Hachiko would go to the station'
- master** — 'wait for his **master** to return.'
- journey** — 'he never made the return **journey**'
- waited** — 'Hachiko **waited** at the station for the professor.'
- loyalty** — 'Hachiko is still remembered in Japan for his **loyalty**'.
- found** — 'Alice opened the door and **found** that it led into a small passage'
- knelt** — 'she **knelt** down and looked along the passage'
- longed** — 'How she **longed** to get out of that dark hall'
- wander** — '**wander** about among those beds of bright flowers'
- doorway** — 'she could not even get her head through the **doorway**'
- shoulders** — 'it would be of very little use without my **shoulders**'.

PAGE 26 — UNDERSTANDING THE LANGUAGE IN THE TEXT

- C** — The duvet is described as a cave to show that it is in the same shape as a cave.
- C** — "hissed" means 'to talk quietly' — Haji is trying not to disturb whatever he thinks he has seen beneath his desk.
- A** — Describing Haji's heartbeat as a drum thumping suggests it was loud because a drumbeat is often loud.
- A** — The image of the curtains "whispering" suggests they're moving gently.
- B** — The word "growl" suggests that the creature is threatening.

PAGES 27-29 — MIXED COMPREHENSION QUESTIONS

- D** — In the passage it says that "many parts have fallen into disrepair".
- C** — In the passage it says that the wall "marked the northernmost boundary of the Roman Empire".
- B** — In the passage it says that forts had "temples, granaries, bath houses and even hospitals", but it doesn't mention tax offices.
- C** — In the passage it says there were "occasional attacks from the north".
- D** — In the passage it says that "Antoninus believed that it would block the Romans from ever

TYPE TWENTY-ONE:

**F
P
D
E
G
F
H
R
K
F
P
E
L
D
B
Y
D
W
B**

Test 20

1. a baby kangaroo is called a joey
2. kangaroos like to eat grass
3. what's for tea tonight
4. where is your jumper
5. what time did you go to bed
6. please can I have a drink
7. how old are you
8. it was a sunny afternoon
9. it was a cold day
10. The dog sat by the fire

- Q6 B**
turn
- Q7 D**
debt
- Q8 J**
saved
- Q9 F**
match
- Q10 C**
donations

Cloze Wordbank Test 19

- Q1 B**
rechargeable
- Q2 A**
typically
- Q3 F**
arranged
- Q4 G**
positions
- Q5 C**
device
- Q6 E**
pressure
- Q7 I**
developed
- Q8 H**
popular
- Q9 D**
popularity
- Q10 J**
attributed

Cloze Wordbank Test 20

- Q1 D**
million
- Q2 F**
digesting
- Q3 G**
growing
- Q4 J**
knowledge
- Q5 E**
travels
- Q6 A**
gold
- Q7 C**
metals
- Q8 B**
bodies
- Q9 H**
exercise

- Q10 I**
muscles

Cloze Wordbank Test 21

- Q1 B**
consisting
- Q2 H**
served
- Q3 E**
pre-cooked
- Q4 D**
spread
- Q5 F**
arrange
- Q6 C**
roll
- Q7 J**
firmly
- Q8 A**
cut
- Q9 G**
process
- Q10 I**
require

Cloze Wordbank Test 22

- Q1 C**
temporary
- Q2 F**
reconstructed
- Q3 H**
year
- Q4 G**
experience
- Q5 I**
temperatures
- Q6 J**
visitors
- Q7 A**
bedrooms
- Q8 D**
deer
- Q9 E**
sleeping
- Q10 B**
instead

Cloze Wordbank Test 23

- Q1 N**
adrift
- Q2 J**
describe

6. D

The figure is rotated 135 degrees clockwise. In option A, the pentagon is positioned incorrectly. Option B has a small square instead of a pentagon. Option C is a reflected rotation.

7. B

The figure is rotated 270 degrees clockwise (or 90 degrees anticlockwise). In option A, the shadings of the circles have swapped and there is no small square. Option C is a reflected rotation and both circles are shaded black. In option D, the parallel lines are positioned incorrectly.

8. C

The figure is rotated 225 degrees clockwise (or 135 degrees anticlockwise). Option A is a reflected rotation. Option B has the wrong number of points on the star. In option D, the star is behind the arch instead of in front of it.

9. C

The figure is rotated 135 degrees clockwise. Option A is a reflected rotation. In option B, the arrow is positioned incorrectly. Option D is a reflection.

10. D

The figure is rotated 225 degrees clockwise (or 135 degrees anticlockwise). Options A and C are the wrong shape. Option B is a reflected rotation.

Section 5 — Complete the Series

1. D

The series alternates between the first two figures.

2. A

The entire contents of the series square rotates 45 degrees clockwise.

3. D

The number of 'arms' changes in the sequence: three, four, five, four, three. The shading of the circles alternates between grey and white.

4. C

In each series square, the missing side of the inner hexagon moves anticlockwise. The shading of the smallest hexagon alternates between black and white.

5. E

The entire contents of the series square rotates 90 degrees clockwise.

6. E

The sequence of the number of sides of each shape goes: three, four, five, four, three. The hatching alternates between horizontal and vertical.

7. E

Each series square is reflected across and the black shading moves up into the next triangle.

8. B

In each series square, one more arrow rotates so it is pointing diagonally up to the left.

9. D

In each series square, there is one more star. The number of squares alternates between two and one.

10. D

In each series square, the circle gets bigger and the square gets smaller. Each shape alternates between grey and white.

ASSESSMENT TEST 6

Section 1 — Changing Bugs

1. B

The shapes of the bug's body segments each gain an extra side.

2. A

Two stripes are added to the bug's body.

3. C

The bug's body rotates 60 degrees clockwise.

4. D

The whole bug reflects across and the shading of its base changes from white to black.

5. B

The bug's body becomes shaded as quarters and the legs reflect downwards.

6. A

The inner dotted shape on the bug's body becomes the solid outer shape and the solid outer shape becomes the inner dotted shape.

7. C

The bug's body loses a black circle and the antennae each reflect across.

8. D

All the shading on the bug's body moves down one segment. The shading at the bottom starts again from the top. The shapes at the ends of the bug's antennae change from circles to squares.

9. B

The shape of the bug's body becomes the shape of each of the bug's wings and the shape of the bug's wings becomes the shape of the bug's body. The tail reflects downwards.

10. C

The bug's body segments rotate 45 degrees and the middle segment moves below the top and bottom segments.

Section 2 — Complete the Hexagonal Grid

1. D

The hexagons on opposite sides of the hexagonal grid are identical.

2. B

Going in a clockwise direction from the top hexagon, the level of grey shading in the raindrop increases in each outer hexagon.

3. B

Going in a clockwise direction from the top hexagon, the arrow rotates 60 degrees anticlockwise in each outer hexagon.

4. A

Each figure is reflected across the middle of the hexagonal grid.

5. C

Going in an anticlockwise direction from the bottom-left hexagon, each outer hexagon gains an extra black circle. (In options A and D, the lines have been rotated.)

6. D

Each outer hexagon has two black triangles along each of its three inner sides. The triangles point towards the centre of the hexagon.

7. B

Going in an anticlockwise direction from the top hexagon, the shape in each outer hexagon gains an extra side. The hatching alternates between going diagonally down to the left and diagonally down to the right.

8. C

Going in a clockwise direction from the top hexagon, the figure rotates 60 degrees clockwise in each outer hexagon. The figure also increases in size.

Section 3 — Reflect the Figure

1. B

Options A, C and D are the wrong shape.

2. D

In options A and B, the triangle is positioned incorrectly in relation to the star. In option C, the shape has not been reflected, and the star has moved to the front.

3. B

In option A, the arrow has been reflected but the star is positioned incorrectly. In option C, the figure is not reflected and the star and arrowhead have swapped shading. In option D, the star has the wrong number of points.

4. A

Option B is a rotated reflection. Options C and D have the wrong shapes at the ends of their lines.

5. C

Option A is a reflection, but the circles have swapped shading. In options B and D, the large white shape is not reflected.

6. C

In option A, the triangles are positioned incorrectly in relation to each other. In option B, the triangles are reflected but the layering is incorrect. Option D is not reflected (the black and white triangles have just swapped shading).

7. A

In option B, both of the lines have arrowheads. In option C, the grey circles are positioned incorrectly. Option D is reflected downwards.

8. C

In option A, the arch is reflected but the raindrops have not been reflected. In option B, the arch is not reflected and there is an extra raindrop. In option D, the arch is reflected across but the raindrops are also reflected downwards.

9. D

Option A is the wrong shape. Option B is a downwards reflection. Option C is a 90 degree anticlockwise rotation.

10. C

In option A, the black lines are positioned incorrectly. In option B, the white shape is reflected downwards and the lines are the wrong thickness. In option D, the white shape has not been reflected.

Section 4 — 3D Building Blocks

1. D

The block on the bottom of set D moves to become the bottom-front part of the figure on the left. The block on the top of set D rotates 90 degrees right-to-left and moves to become the left-hand part of the figure.

2. A

The block on the top of set A rotates away from you 90 degrees top-to-bottom and moves to become the bottom part of the figure on the left. The block on the bottom of set A rotates 90 degrees in the plane of the page and moves to become the top right-hand part of the figure.

3. C

The block on the bottom of set C rotates 90 degrees left-to-right to become left-hand part of the figure on the left. The top right-hand block of set C moves to become the right-hand part of the figure. The top-left block of set C moves to become the top block in the figure.

4. C

One of the blocks from set C rotates 90 degrees anticlockwise in the plane of the page. It then rotates 90 degrees left-to-right and moves to become the right-hand part of the figure on the left. The other block from set C moves to become the left-hand part of the figure.

5. D

The block on the top of set D rotates 180 degrees towards you top-to-bottom. It then rotates 90 degrees left-to-right and moves to become the right-hand part of the figure on the left. The block on the bottom of set D moves to become the left-hand part of the figure.

6. B

The block on the bottom of set B rotates 90 degrees in the plane of the page and moves to become the back left-hand part of the figure on the left. The block on the top of set B rotates 90 degrees anticlockwise in the plane of the page. It then rotates 90 degrees right-to-left and moves to become the right-hand part of the figure. The small cube in set B moves to become the front left-hand part of the figure.

7. A

One way is for the block on the bottom of set A to rotate 90 degrees away from you top-to-bottom. It then rotates 90 degrees right-to-left and moves to become the bottom part of the figure on the left. One cube from the top of set A moves to become the block at the back left-hand part of the figure. The other cube from set A moves to become the block at the top right-hand part of the figure.

8. C

One way is for one of the blocks from the bottom of set C to rotate 90 degrees in the plane of the page and move to become the bottom-front block in the figure on the left. The block on the top of set C rotates 90 degrees right-to-left and moves to become the middle block in the figure. The other block on the bottom of set C moves to become the left-hand part of the figure.

Section 5 — Odd One Out

1. D

All other figures have a circle inside the large shape.

2. D

In all other figures, the arrow marks a line of symmetry.

3. E

In all other figures, the hatching is horizontal.

4. C

In all other figures, the corner with the smallest angle is shaded.

5. A

In all other figures, the three triangles are facing the same way.

6. D

In all other figures, the small shape is the same shape as the large grey shape.

7. B

In all other figures, the inner shape has one more side than the outer shape. (B is also the only figure where the total number of sides is an even number.)

8. D

All other figures have one square.

ASSESSMENT TEST 7

Section 1 — Rotate the Figure

1. D

The figure is rotated 90 degrees clockwise. Option A has a black rectangle instead of a black triangle. Option B is a reflected rotation. In option C, the trapezium is rotated differently from the rest of the figure.

2. B

The figure is rotated 180 degrees. Options A and C are the wrong shape. Option D is a reflected rotation.

3. A

The figure is rotated 135 degrees clockwise. Option B has two black triangles. Option C is a reflected rotation. In option D, the triangles are positioned incorrectly.

4. C

The figure is rotated 45 degrees clockwise. Option A is a reflected rotation. In option B, the circles are shaded incorrectly. In option D, there are squares instead of circles.

5. D

The figure is rotated 225 degrees clockwise (or 135 degrees anticlockwise). In option A, the black shapes and white shapes have swapped shadings. Option B is a reflected rotation. Option C is the wrong shape.

6. B

The figure is rotated 180 degrees. Options A and D are the wrong shape. Option C is a reflected rotation.

7. A

The figure is rotated 135 degrees clockwise. In option B, the grey and white shapes have swapped shadings. In option C, the white cross is positioned incorrectly. Option D is a reflected rotation.

8. D

The figure is rotated 135 degrees clockwise. Option A is the wrong shape. In option B, the white rectangle is in front of the black lines. Option C is a reflected rotation.

9. C

The figure is rotated 270 degrees clockwise (or 90 degrees anticlockwise). Option A is a reflected rotation. Option B is the wrong shape. Option D is a reflected rotation and the black circle is in the wrong position.

10. B

The figure is rotated 45 degrees clockwise. Option A is a reflected rotation. Option C is a reflection. Option D is the wrong shape.

Section 2 — Find the Figure Like the First Three

1. B

All figures must have four sides.

2. D

All figures must be reflections or rotations of the same arrow.

3. E

All figures must have four versions of the same shape. Two of the shapes must be black and two of the shapes must be white.

4. E

All figures must contain a large hatched circle and a small black circle.

5. C

In all figures, a T-shape must be crossed by two parallel lines.

6. A

In all figures, the number of points on the star must equal the number of sides of the white shape.

7. B

In all figures, the shape with the dotted outline must be half of the black shape.

8. C

All figures must have one white circle, one grey circle and one black circle. In all figures, the large shape must have six sides.

1. If a triangle has two angles of 34 and 47 degrees, what is the 3rd angle?
You may want to draw the angles on the triangle.

99



2. Two angles in an isosceles triangle are both 40 degrees each. What is the 3rd angle?

100

3. In a 7-sided shape, what is the total of the interior angles?

900

4. What do the angles in the centre of an eight sided shape add up to ?

360

5. What is the size of one angle in a 6-sided shape?

120

6. If you only know the total interior angles in an **irregular** 5-sided shape, **why** can you not work out 1 of the angles?

All Angles are not equal

7. Convert $\frac{9}{15}$ into a percentage

60%

8. What is the mean of 4, 7, 2 and 13

6.5

9. What is the HCF of 36 and 48 ?

12

10. $(3 \times 4)^2 - 10 \times 5 \div 2$

119

Vocabulary 1

Exercise A

1. obstruct
2. apparent
3. immense
4. observant
5. scholar
6. mingle
7. rotate
8. landscape
9. irresponsible
10. compassion

Exercise B

1. irresponsible
2. compassion
3. landscape
4. rotates
5. scholar
6. apparent
7. observant
8. immense
9. obstruct
10. mingle