

**Verbal Reasoning – Closest Meaning**

1. (slide skip tumble) (fall dive skate)
2. (collapse crush ruin) (injure spoil wound)
3. (vehicle bus ticket) (train coach receipt)
4. (pot barrel bucket) (spade scoop pail)
5. (man child mother) (wife male adult)
6. (whisper hoarse listen) (say mumble quiet)
7. (crafty villain wrong) (naughty sly wicked)
8. (sound note tune) (message writing lyrics)
9. (above under around) (adjacent behind below)
10. (key lock protect) (handcuff bolt arrest)
11. (chase race sport) (exercise hobby jog)
12. (feverish sneeze flu) (shiver sweat cold)
13. (nervous meek wary) (docile grateful loyal)
14. (devour dine swallow) (greedy gobble nibble)

**Opposite Meanings**

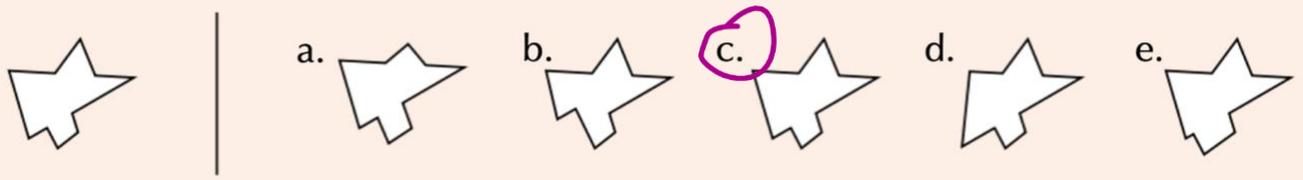
1. (humble poor unhappy) (proud ordinary weak)
2. (unusual dull interesting) (long mundane old)
3. (challenge conquer battle) (fight lose drop)
4. (decaying ancient dirty) (elegant decorative modern)
5. (brave strong confident) (shy surly suspicious)
6. (cease ban prevent) (finish commence abolish)
7. (reserved slow serene) (busy ~~frenzied~~ troublesome)
8. (claim accuse quarrel) (decide fight defend)
9. (deteriorate undermine elevate) (correct advance improve)
10. (direct honest genuine) (ignorant natural untruthful)
11. (modest wealthy golden) (pitiful sad needy)
12. (rich plentiful sufficient) (ample feeble scarce)
13. (sometimes regularly never) (normally daily occasionally)
14. (~~vengeful~~ violent bitter) (merciful resentful supportive)

**Multiple meaning**

- |                    |                     |   |
|--------------------|---------------------|---|
| 1. (dry clear)     | (nice lovely)       | bright good great <b>fine</b> sunny           |
| 2. (turn revolve)  | (bun bread)         | snack spin circle <b>roll</b> rotate          |
| 3. (pink blush)    | (soared ascended)   | red lifted <b>rose</b> bloom floated          |
| 4. (firm solid)    | (difficult awkward) | rigid complex stiff troublesome <b>hard</b>   |
| 5. (take guide)    | (first main)        | command head <b>lead</b> chief direct         |
| 6. (error fault)   | (muddle confuse)    | wrong <b>mistake</b> puzzle baffle slip       |
| 7. (near adjacent) | (shut secure)       | lock adjoining <b>close</b> seal neighbouring |
| 8. (article item)  | (aim end)           | <b>object</b> motive goal thing gadget        |
| 9. (award medal)   | (value cherish)     | bonus reward treasure love <b>prize</b>       |
| 10. (rest recline) | (untruth deception) | fraud fake repose lounge <b>lie</b>           |
| 11. (breeze gale)  | (coil reel)         | blow <b>wind</b> twist spiral gust            |
| 12. (bend curtsy)  | (ribbon knot)       | nod braid string <b>bow</b> stoop             |

**Spatial Reasoning – Hidden Shapes**

1. Which shape (a to e) is **identical** to the shape on the left?



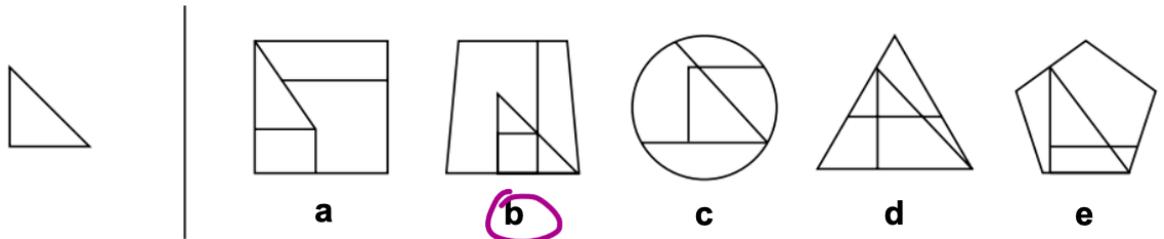
Shape: \_\_\_\_\_

2. The shape on the **left** hand side is **hidden** inside one of the two figures on the right. It will be the same size and it won't be rotated. **Shade in** the hidden shape.

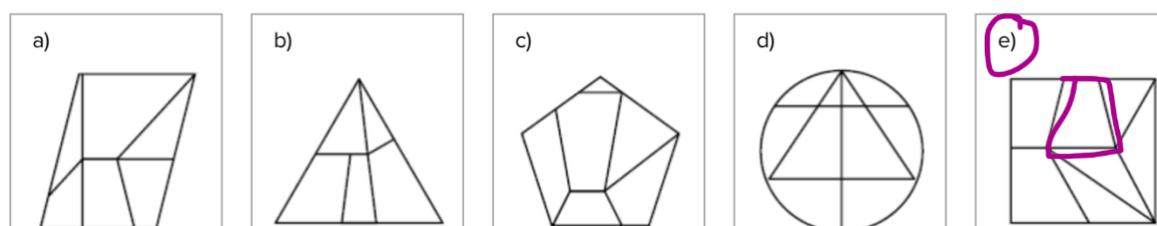
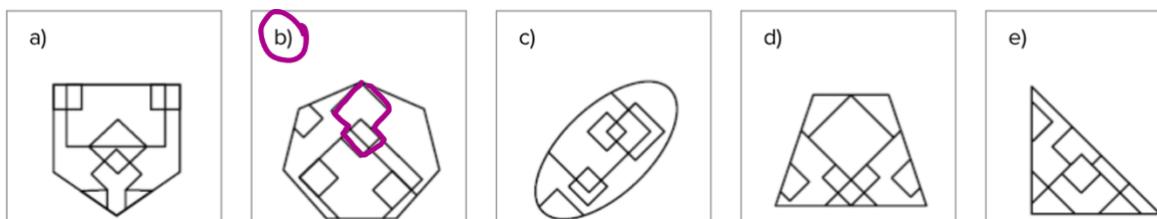
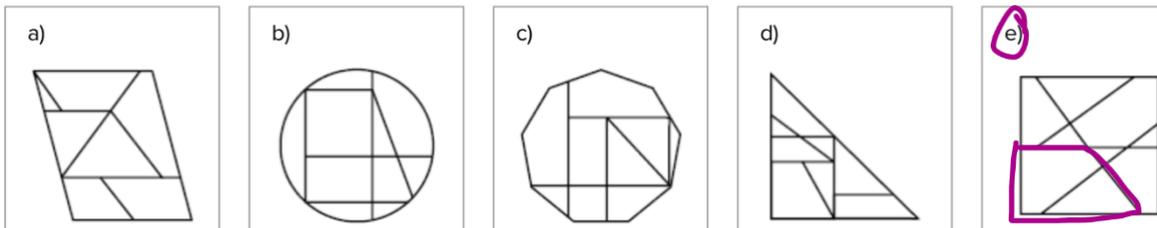
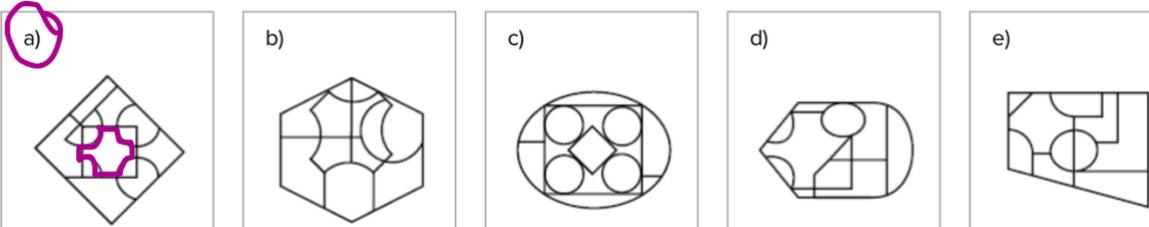
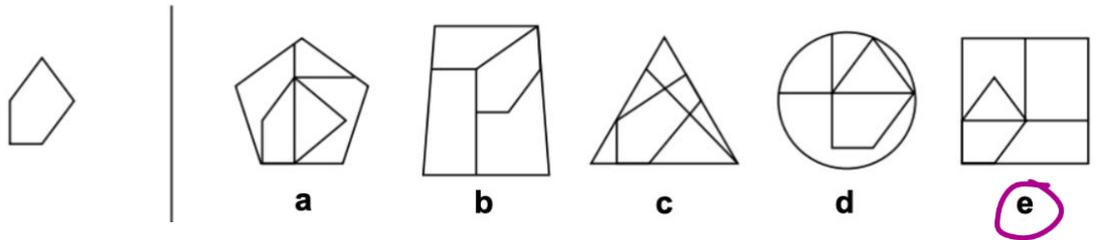


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3.



4.



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a)	b)	c)	d)	e)

A small L-shaped geometric figure is shown to the left of the row.

a)	b)	c)	d)	e)

A small right-angled triangle is shown to the left of the row.

a)	b)	c)	d)	e)

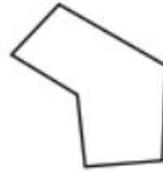
A small right-angled triangle is shown to the left of the row.

a)	b)	c)	d)	e)

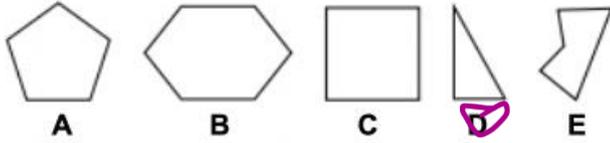
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**Maths – 2D Shapes**

What is the name of the shape on the right? Circle the correct answer.

- triangle    octagon    pentagon    **hexagon**    quadrilateral

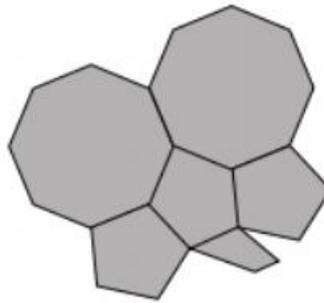


Which shape below should go in the shaded part of this diagram? Circle the correct answer.



	Less than five sides	Five or more sides
Regular		
Irregular		

Caley cuts six shapes out of a piece of paper and arranges them to make this picture. Which shapes did she use? Circle the correct answer.



- A 3 pentagons, 2 octagons, 1 rectangle  
 B 3 hexagons, 2 octagons, 1 quadrilateral  
**C 3 pentagons, 2 octagons, 1 quadrilateral**  
 D 2 pentagons, 3 octagons, 1 quadrilateral  
 E 3 pentagons, 2 octagons, 1 parallelogram

/ 3

Which of these shapes cannot fit together with other shapes of the same kind without leaving any gaps? Circle the correct answer.

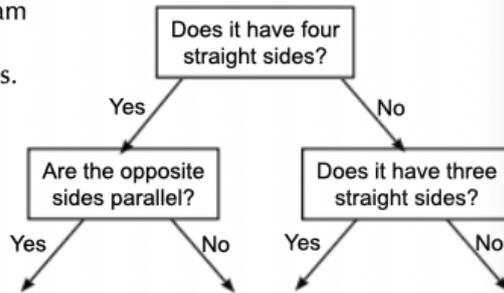


Molly is describing a shape. She says, "It has three sides. Only two of the angles are equal.". What shape is she describing? Circle the correct answer.

- equilateral triangle    hexagon    pentagon    quadrilateral    **isosceles triangle**

Maryam has a shape. Part of the sorting diagram she uses to identify it is shown on the right. Maryam answers 'Yes' to the first two questions. Which of the shapes below could she have? Circle the correct answer.

- triangle    **parallelogram**  
 kite    hexagon  
 pentagon



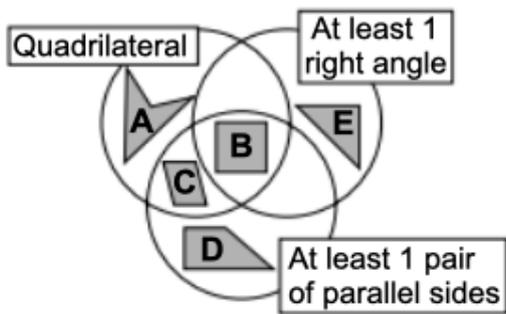
Work out the name of this quadrilateral from these clues:

- It has two pairs of equal length sides.
- No sides are parallel.
- The diagonals cross at right angles.

Answer: kite

Which of these statements about triangles is true? Circle the correct answer.

- A A triangle can have two right angles  
**B An equilateral triangle has three acute angles.**  
 C A scalene triangle must have an obtuse angle.  
 D The angles in a triangle always add up to 200 degrees.  
 E An isosceles triangle has three equal sides.

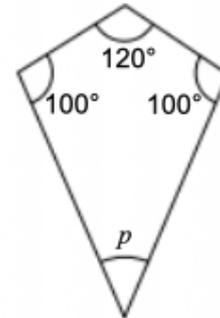


19. Look at this Venn diagram.  
Which shape is in the wrong place?

Answer:     D    

20. The sizes of three of the angles in this kite are given.  
What size is angle  $p$ ?

Answer:     40    <sup>°</sup>



### Harriet Chalmers Adams

Harriet Chalmers Adams, born in 1875, was one of the greatest explorers of her era. As most famous explorers of that time were men, this makes her feats even more extraordinary. Her adventures began at the age of eight, when her father took her on horseback through the Sierra Nevada, an American mountain range full of formidable, towering peaks. The various trips she went on with her father and the education she received from him sparked a passion for exploration that would make her life utterly unique.

Harriet married Franklin Pierce Adams in 1899 and they soon went on an expedition to South America. During their travels, they covered a staggering 40 000 miles by hiking, canoeing, riding horses and using trains. The journey also involved crossing numerous mountains that were more than 22 000 feet high. In travelling the length and breadth of South America, Adams is believed to have become the first white woman to explore many of the regions on this continent.

Adams embarked on other impressive expeditions too. She followed a route by Christopher Columbus, an explorer born in 1451, through the West Indies, a group of islands near South America. Spain began to rule over some of these islands in the 1500s, as well as over large parts of South America. This interested Adams, and her aim was to visit every country that was ruled by Spain or formerly had been.

Adams didn't limit herself to exploring — in 1917, during World War I, she was the first female journalist allowed on the French frontlines. In 1925, she joined the Society of Woman Geographers as their first president. This organisation aims to help women around the world undertake exploration and geographical research.

Adams proved her dedication to exploration many times in her life. Even when she was told she would never walk again after falling while trying to rescue a climber, she recovered from her injuries and resumed travelling a few years later.

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1. In the passage, it says that Adams's passion for exploration "would make her life utterly unique" (lines 6-7). This means that exploration:
  - A would make Adams's life stand out from other people's.
  - B would make Adams's life very unpredictable.
  - C would be the only thing in Adams's life that she valued.
  - D would make Adams extremely happy.
  - E would completely change Adams's life.
  
2. Which statement about Adams's travels in South America is true?
  - A She canoed for 23 000 miles.
  - B She travelled on her own.
  - C She climbed 40 000 feet up a mountain.
  - D She met her future husband while on a train.
  - E She travelled using various forms of transport.
  
3. In the passage, it says that Adams travelled "the length and breadth of South America" (line 12). This means that:
  - A Adams got lost while travelling around South America.
  - B Adams travelled all over South America.
  - C Adams first travelled down South America and then across it.
  - D Adams only travelled along the coastline of South America.
  - E Adams only travelled to a few countries in South America.
  
4. According to the passage, which of the following about Adams is true?
  - A She was the first woman to travel over a mountain.
  - B She was the first white woman to visit certain areas of South America.
  - C She was the first white woman to ever go to South America.
  - D She was the first woman to become an explorer.
  - E She was the first woman to travel to a different continent.
  
5. Which of the following statements is false?
  - A Adams was interested in Spain and the land it gained.
  - B Christopher Columbus visited the West Indies before Adams.
  - C Adams copied a route that was taken on another expedition.
  - D Adams wanted to visit all the lands Spain used to possess.
  - E The West Indies are on the South American mainland.
  
6. According to the passage, when did Adams work as a journalist?
  - A In 1875
  - B In 1899
  - C In 1917
  - D In 1925
  - E In 1929

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7. According to the passage, where did Adams spend time during World War I?
- A A French military headquarters
  - B South America
  - C A Spanish war zone
  - D A journalism school
  - E** The French frontlines
8. Which of the following about Adams is not mentioned in the passage?
- A When she became part of the Society of Woman Geographers.
  - B What role she had in the Society of Woman Geographers.
  - C What she was doing when she fell and hurt herself badly.
  - D** What injury she had as a result of her fall.
  - E How long after her fall it was before she was travelling again.
9. Which word is closest in meaning to "formidable" (line 5)?
- A Ancient
  - B Steep
  - C Rocky
  - D Gigantic
  - E** Intimidating
10. Which word is closest in meaning to "staggering" (line 9)?
- A** Astonishing
  - B Memorable
  - C Daring
  - D Tiring
  - E Challenging
11. "The journey also involved crossing numerous mountains" (lines 10-11). Which of these words is an adjective as it is used in the sentence?
- A journey
  - B also
  - C crossing
  - D** numerous
  - E mountains
12. "This organisation aims to help women around the world undertake exploration" (lines 21-22). The word "organisation" is an example of what type of word?
- A Verb
  - B Adjective
  - C** Noun
  - D Preposition
  - E Adverb