

Term 3 Session 2
Maths – Ratio

A farmer has 5 pigs for every 3 cows.

What is the ratio 25 : 45 in its simplest form?

The farmer has 15 cows. How many pigs do they have?

- ☒ a) 25
- ☐ b) 35
- ☐ c) 20
- ☐ d) 18
- ☐ e) 9

- ☐ a) 6 : 9
- ☒ b) 5 : 9
- ☐ c) 4 : 5
- ☐ d) 3 : 5
- ☐ e) 5 : 8

660 pupils voted for their favourite animal for their school's new logo. The answers were split between a gazelle and a crab in the ratio 5 : 6.
How many pupils voted for a gazelle?

- ☐ a) 330
- ☐ b) 360
- ☒ c) 300
- ☐ d) 440
- ☐ e) 280

A box of Christmas tree decorations contains red and gold baubles in the ratio 3 : 5. There are 30 gold baubles in the box.
How many baubles are in the box in total?

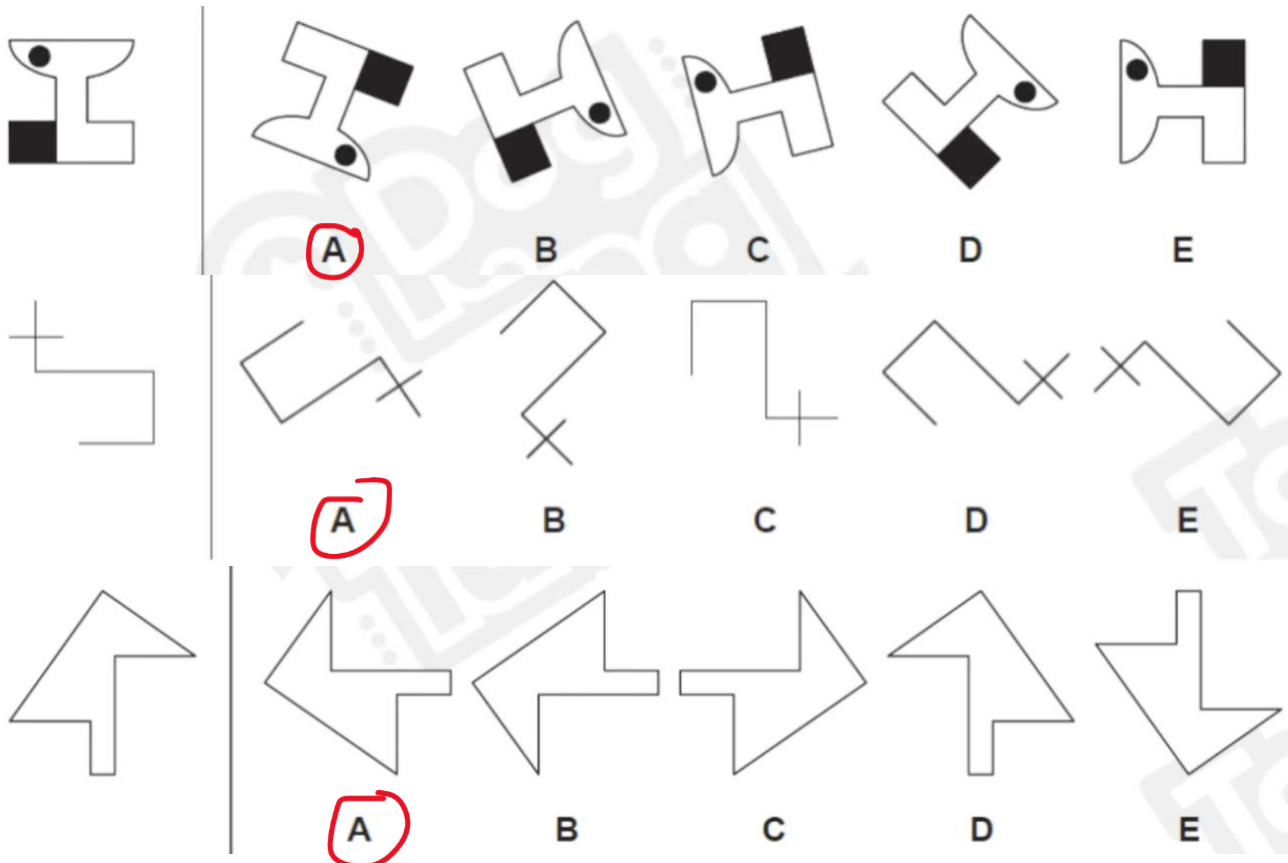
- ☐ a) 18
- ☐ b) 60
- ☐ c) 80
- ☐ d) 32
- ☒ e) 48

Euan's curry recipe uses 5 g of paprika and 3 g of turmeric. Euan wants to scale up the recipe to use 35 g of paprika.
How much turmeric should he use?

- ☐ a) 15 g
- ☐ b) 35 g
- ☐ c) 18 g
- ☒ d) 21 g
- ☐ e) 25 g

Bethany, Clara and Xavier share a bag of 28 sweets. Xavier gets 4 sweets, Bethany gets 6 sweets and Clara gets the rest.
What is the ratio of Bethany's sweets to Clara's sweets in its simplest form?

- ☐ a) 2 : 7
- ☐ b) 2 : 11
- ☒ c) 1 : 3
- ☐ d) 3 : 11
- ☐ e) 1 : 4



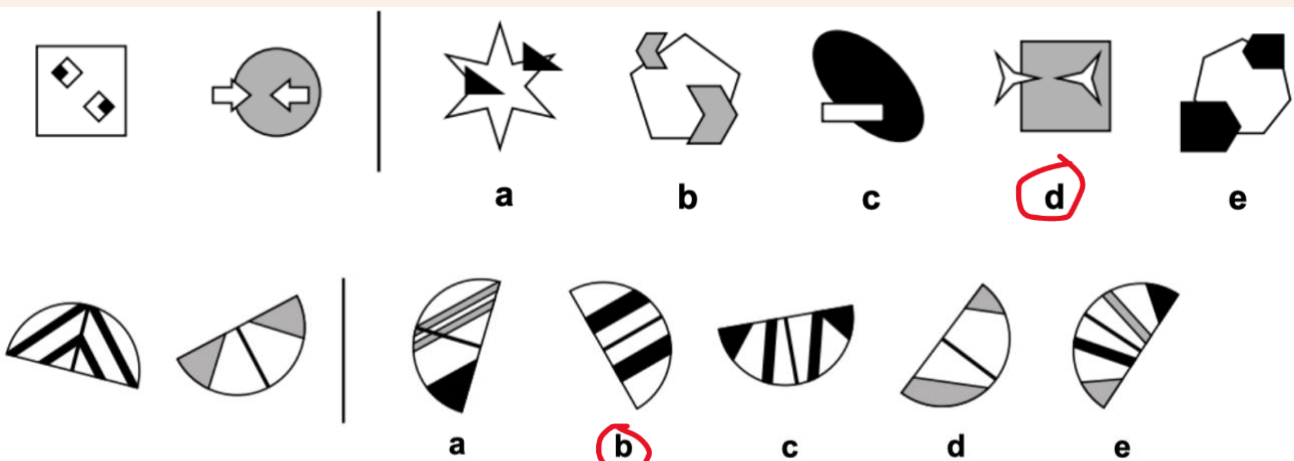
1. Has the first shape been **reflected** or **rotated** to make the second shape?

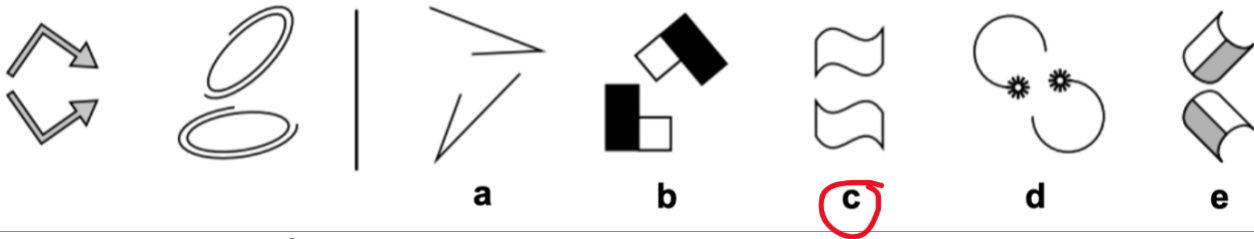


2. How many of the shapes below are **reflections** of the shape inside the square?



Number of **reflections**: 2





Verbal Reasoning – Closet Meaning

- | | |
|--|---------------------------------|
| 1. (quiet <u>angry</u> glare) | (<u>cross</u> excited scared) |
| 2. (smile laugh <u>kind</u>) | (scream <u>nice</u> yell) |
| 3. (<u>buy</u> good sell) | (aim hello <u>purchase</u>) |
| 4. (sweet sad <u>ugly</u>) | (<u>foul</u> sour pretty) |
| 5. (crack <u>allow</u> calm) | (cold <u>permit</u> tidy) |
| 6. (sing shout <u>whisper</u>) | (talk laugh <u>murmur</u>) |
| 7. (sensible annoying <u>funny</u>) | (laugh kind <u>amusing</u>) |
| 8. (bin <u>litter</u> dust) | (clean <u>garbage</u> polish) |
| 9. (cheap lovely <u>precious</u>) | (<u>valuable</u> poor grind) |
| 10. (awful <u>honest</u> forget) | (argue sorry <u>truthful</u>) |
| 11. (sunshine snow <u>rain</u>) | (wind cloud <u>drizzle</u>) |
| 12. (<u>same</u> different better) | (worse <u>identical</u> wish) |
| 13. (talk <u>wish</u> imagine) | (<u>hope</u> fear observe) |
| 14. (shape <u>graph</u> draw) | (write explain <u>chart</u>) |
| 15. (<u>cunning</u> irritable slim) | (nasty vicious <u>sly</u>) |
| 16. (accepting wishful <u>friendly</u>) | (<u>amiable</u> dream future) |
| 17. (<u>tidy</u> dirty .clean) | (cluttered <u>neat</u> work) |
| 18. (accuse blame <u>forgive</u>) | (release <u>pardon</u> apology) |

Summertime

Summers in Santillo passed sluggishly. The days lingered, as did the heat. Feeling stifled by the sun, I found it hard to move away from the fan in our house, though I resented spending my summer holiday surrounded by walls. There was nothing I could do to hurry the season along, nothing to do but endure July until
5 it became August, August until it became September, September until the leaves began to fall. When I was younger, I thought the leaves changed colour because the sun had burned them orange. I would scan the trees eagerly, hoping the leaves would undergo their transformation soon.

As I slumped down on my front porch with an irritated sigh one July afternoon,
10 I was convinced that this summer would be the slowest one yet. The days were crawling by as lazily as the droplets of sweat that trickled down my neck. Heat came from everywhere; the sky beamed it down, and the ground fired it back. Someone had said it was hot enough to fry an egg on the pavement, but I could never be bothered to try. Instead, I imagined the egg splattering onto the ground,
15 sizzling loudly as it seeped into the cracks in the concrete and smothered the weeds that grew in between, like lava pouring through a forest.

Year after year, my imagination was what got me through summer. Lovely cool winds and pleasing rainclouds filled my mind, and all the exciting things I would do when the oppressive heat of summer finally ended. That is, until Lucia moved
20 in next door. As thrilling and refreshing as a sudden blast of icy water, Lucia broke me out of my daydreams. Her enthusiasm to explore made me forget the heat, and the adventures she took me on made the time until school began pass in a blur. When autumn arrived, I found myself wishing time always went slowly.

1. Where do the summers in the story take place?
A. Seville
☒ B. Santillo
C. Santiago
D. Sevilla
2. Why did the narrator find it hard to move away from the fan?
A. The fan was broken
B. The narrator was tired
☒ C. The sun made them feel stifled
D. The house was too noisy
3. Which months does the narrator describe passing slowly?
A. May, June, July
B. June, July, August
☒ C. July, August, September
D. August, September, October

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4. What did the narrator think caused the leaves to turn orange when they were younger?
 - A. Rain washing away the green
 - B. Cold weather
 - C. Insects eating the leaves
 - ☒ D. The sun burning them
5. Where was the narrator sitting one July afternoon?
 - A. In their bedroom
 - ☒ B. On the front porch
 - C. In the garden
 - D. At school
6. How does the narrator describe the way the days were passing?
 - A. Quickly and excitingly
 - B. Normally
 - ☒ C. Slowly and lazily
 - D. Suddenly
7. What did people say was hot enough to fry an egg?
 - A. The roof
 - ☒ B. The pavement
 - C. The porch
 - D. The road sign
8. What did the narrator imagine happening to the egg?
 - A. It being eaten by birds
 - B. It bouncing off the ground
 - ☒ C. It splattering and sizzling
 - D. It rolling away
9. What helped the narrator get through summer each year?
 - A. Sleeping
 - B. Reading books
 - ☒ C. Imagination
 - D. Watching television
10. What kinds of weather filled the narrator's mind during daydreams?
 - A. Thunderstorms and snow
 - ☒ B. Cool winds and rainclouds
 - C. Hot sunshine
 - D. Fog and mist
11. Who moved in next door?
 - A. A cousin
 - B. A teacher
 - ☒ C. Lucia
 - D. A friend from school
12. How is Lucia described as being refreshing?
 - A. Like a summer breeze
 - B. Like a cold drink
 - ☒ C. Like icy water
 - D. Like rain

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13. What did Lucia's enthusiasm help the narrator forget?
- A. School
 - B. Boredom
 - ☒ C. The heat
 - D. Their worries
14. What happened to time while the narrator went on adventures with Lucia?
- A. It stopped
 - B. It slowed down
 - ☒ C. It passed quickly
 - D. It became confusing
15. How did the narrator feel about time when autumn arrived?
- A. They wanted it to speed up
 - B. They wanted it to stop
 - ☒ C. They wanted it to slow down
 - D. They didn't care anymore

Homework Reading Questions

1. According to the passage, why doesn't the narrator like the summer?
- ☒ A They think the summer holidays go on for too long.
 - B The narrator's family only own one fan that they all have to share.
 - C The narrator's house becomes too hot.
 - D The temperature makes it difficult to do anything outside.
 - E The heat makes the narrator feel ill.
2. Why did the narrator used to "scan the trees eagerly" (line 7)?
- A They liked watching the leaves fall off the trees.
 - B They enjoyed seeing the sun shining through the leaves.
 - ☒ C To see if they could spot signs that the leaves were changing colour.
 - D To find out if the leaves had stopped growing.
 - E They hoped the leaves would change colour if they stared hard enough.
3. Which adjective best describes how the narrator feels in lines 9-10?
- A Calm
 - ☒ B Frustrated
 - C Indifferent
 - D Satisfied
 - E Anxious
4. Which of the following does the narrator not imagine the egg doing?
- A Going into the gaps in the pavement
 - B Covering up the weeds
 - ☒ C Being tipped out over the edge of its shell
 - D Making a noise when it's on the concrete
 - E Falling onto the pavement
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5. The narrator says "Lucia broke me out of my daydreams" (lines 20-21). This tells us that:
- A Lucia criticised the narrator for daydreaming.
 - B Lucia helped the narrator to escape from their worries.
 - C Lucia told the narrator that they should imagine more realistic things.
 - D Lucia tried to interrupt the narrator while they were busy thinking.
 - ☒ E Lucia helped the narrator to focus on real life again.
6. Which of the following best describes Lucia?
- A Thoughtful and amusing
 - ☒ B Exciting and adventurous
 - C Welcoming and unique
 - D Unsettling and energetic
 - E Comforting and observant
7. Which of the following is not mentioned in the text?
- ☒ A The month that Lucia moved in next door
 - B Whether the narrator has fried an egg on the pavement or not
 - C Weather conditions the narrator likes
 - D How the narrator keeps cool inside their house
 - E The narrator's use of their imagination to entertain themselves
8. Why does the narrator wish that "time always went slowly" (line 23)?
- A They want to spend more time outside before school starts.
 - B They realised that they prefer summer over autumn.
 - C They haven't had time to explore all of the neighbourhood yet.
 - ☒ D They don't want their summer with Lucia to come to an end.
 - E They have only just got used to playing outside in the heat.
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9. What does the word “lingered” (line 1) mean?

- ☒ **A** Remained
- B** Lengthened
- C** Occurred
- D** Arrived
- E** Continued

10. Which of these words is closest in meaning to “seeped” (line 15)?

- A** Burst
- B** Surged
- ☒ **C** Trickled
- D** Splashed
- E** Rippled

11. “I would scan the trees eagerly” (line 7). What type of word is “eagerly”?

- A** Verb
- ☒ **B** Adverb
- C** Adjective
- D** Preposition
- E** Conjunction

12. Which of the following contains a simile?

- A** “nothing to do but endure July until it became August”
 - B** “the sun had burned them orange”
 - C** “the sky beamed it down, and the ground fired it back”
 - D** “Lovely cool winds and pleasing rainclouds filled my mind”
 - ☒ **E** “As thrilling and refreshing as a sudden blast of icy water”
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