

Verbal Reasoning – Word Ladders

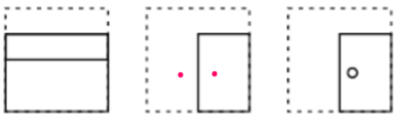
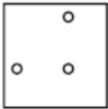




Change one letter at a time to make the first word into the final word.
The two answers must be real words.

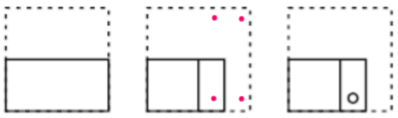

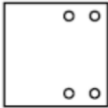
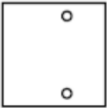


Look at this example:

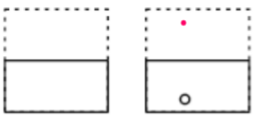


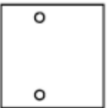

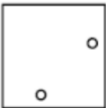
FOOD (FOND) (FIND) FINE


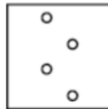
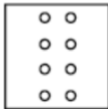



- | | | |
|----------|--|------|
| 1. HIDE | 1) (WIDE) (WINE) — The ladder is: HIDE (WIDE) (WINE) WINK. | WINK |
| 2. MALE | 2) (MILE) (MIME) — The ladder is: MALE (MILE) (MIME) LIME. | LIME |
| 3. FAIL | 3) (FALL) (FELL) — The ladder is: FAIL (FALL) (FELL) YELL. | YELL |
| 4. LOOM | 4) (LOOT) (SOOT) — The ladder is: LOOM (LOOT) (SOOT) SORT. | SORT |
| 5. SILT | 5) (SALT) (SALE) — The ladder is: SILT (SALT) (SALE) PALE. | PALE |
| 6. CLIP | 6) (CLAP) (CLAY) — The ladder is: CLIP (CLAP) (CLAY) PLAY. | PLAY |
| 7. HEAD | 7) (HELD) (HOLD) — The ladder is: HEAD (HELD) (HOLD) HOLE. | HOLE |
| 8. JOLT | 8) (BOLT) (BELT) — The ladder is: JOLT (BOLT) (BELT) BELL. | BELL |
| 9. TENT | 9) (RENT) (RANT) — The ladder is: TENT (RENT) (RANT) RANK. | RANK |
| 10. JOKE | 10) (POKE) (POSE) — The ladder is: JOKE (POKE) (POSE) POST. | POST |
| 11. COAT | 11) (COST) (CAST) — The ladder is: COAT (COST) (CAST) FAST. | FAST |
| 12. MULE | 12) (MOLE) (MORE) — The ladder is: MULE (MOLE) (MORE) WORE. | WORE |

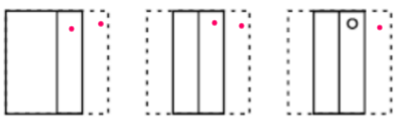
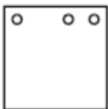
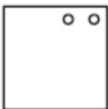
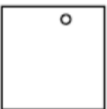

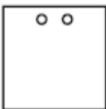
Spatial Reasoning – Folded punched paper

| | | | | | |
|---|---|---|--|---|--|
|  | | | | | |
| a) | b) | c) | d) | e) | |
|  |  |  |  |  | |

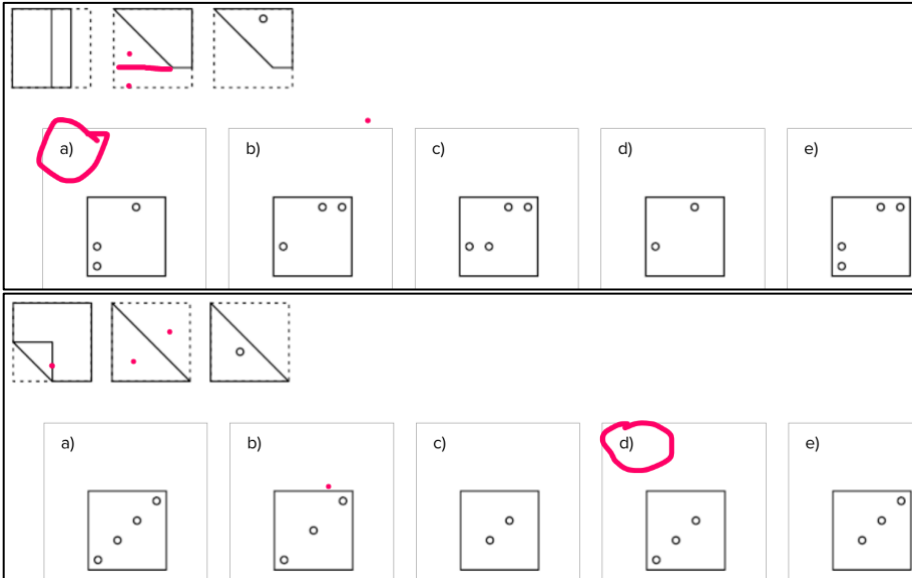
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| a) | b) | c) | d) | e) | |
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| a) | b) | c) | d) | e) | |
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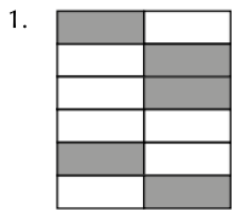
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| a) | b) | c) | d) | e) | |
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| a) | b) | c) | d) | e) | |
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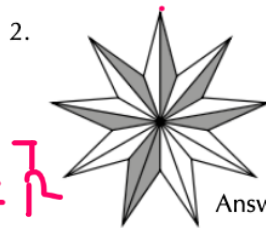
Term 4 Session 3



What is the ratio of shaded to non-shaded sections in the following shapes?



Answer: 5 : 7 : 1



Answer: 11 : 5

3. Clive can paint 3 pictures every 2 hours.
How long will it take him to paint 24 pictures?

Answer: 16 hours

4. While walking to school, Andreas found that 1 in every 9 cars that drove by him were red. 8 red cars drove by him.
What was the total number of cars that drove by Andreas?

Answer: 72 cars

Divide 48 into the following ratios.

Hint: Add up the numbers in the ratio to find the total number of parts, then find the size of one part.

5. 1:3 Answer: 12 : 36

8. 1:11 Answer: 4 : 44

6. 5:1 Answer: 40 : 8

9. 2:1 Answer: 32 : 16

7. 3:5 Answer: 18 : 30

10. 13:3 Answer: 39 : 9

11. A recipe to make 8 cupcakes requires 4 eggs, 250 grams of flour, 300 grams of butter and 350 grams of sugar.
How many cupcakes would 900 grams of butter make?

Answer: 24 cupcakes

12. A zookeeper is counting the animals in the reptile house.
He counts 11 snakes and finds that there are 5 more lizards than snakes.
What is the ratio of snakes to lizards?

Answer: 11 : 16

Maths – Ratio and Proportion

Pick-and-mix sweets cost £1.20 per 100 g. $\times 3$

Susan buys 300 g of pick-and-mix. How much does this cost her?

- ☐ a) £3.20
- ☐ b) £5.00
- ☒ c) £3.60
- ☐ d) £2.40
- ☐ e) £2.00

There are 24 mice and 18 hedgehogs at a forest tea party.
In its simplest form, what is the ratio of mice to hedgehogs?

$$\begin{aligned} &24:18 \\ &(\div 6) \\ &4:3 \end{aligned}$$

- ☐ a) 6 : 4
- ☐ b) 8 : 6
- ☐ c) 2 : 1
- ☒ d) 4 : 3
- ☐ e) 12 : 9

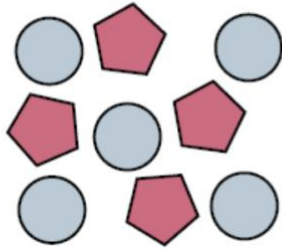
A musical instrument shop has 18 keyboards and 63 guitars in stock.
What is the ratio of keyboards to guitars in its simplest form?

- ☐ a) 4 : 11
- ☐ b) 2 : 9
- ☐ c) 3 : 8
- ☒ d) 2 : 7
- ☐ e) 1 : 6

$$\begin{aligned} &18:63 \\ &\div 9 \\ &2:7 \end{aligned}$$

Term 4 Session 3

What is the ratio of circles to pentagons in its simplest form?



- ☐ a) 3 : 2
- ☐ b) 10 : 8
- ☒ c) 5 : 4
- ☐ d) 1 : 1
- ☐ e) 2 : 1

5:4

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

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

A garden centre has 120 plants in stock. 45 are cacti and the rest are succulents.

What is the ratio of succulents to cacti?

- ☐ a) 11 : 12
- ☐ b) 7 : 2
- ☐ c) 6 : 5
- ☒ d) 5 : 3
- ☐ e) 5 : 8

$$120 - 45 = 75$$

$$75 : 45$$

$$\div 5 \quad \div 5$$

$$15 : 9$$

$$5 : 3$$

$$5 \overline{) 75} \begin{array}{r} 15 \\ \underline{50} \\ 25 \end{array}$$

Victor is making a cheesecake. The first part of the recipe is shown below.



Victor wants to make a bigger cheesecake using 15 ounces of butter. How many ounces of biscuit crumbs should he use?

- ☐ a) 22
- ☐ b) 21
- ☒ c) 33
- ☐ d) 44
- ☐ e) 30

Each sentence contains a spelling mistake. Underline the word with the error and write the correct spelling on the line. For example:

Lilly is completley hopeless in the morning. completely

1. What are you smileing about?
2. I missread the instructions and glued my eye shut.
3. The parachute landed at the foot of the cliffes.
4. Don't be a caward Anton, just jump!
5. The birthday cake that Mum made is barely edable.

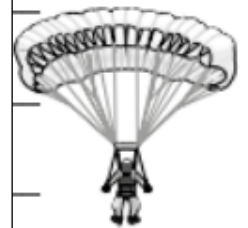
smiling

misread

cliffs

coward

edible



/ 5

6. Nadine is very inportant, so be polite to her.
7. Do me a faver and go to the chemist's on your way.
8. We both left our watchs in the changing rooms.
9. It was suny so our sponsored walk was great.
10. The children took there lunches to the park.

important

favour

watches

sunny

their

/ 5

11. I couldn't decide which cloths to wear to the disco.
12. The king was the most powerfull man in the land.
13. George was running laps around the boundry.
14. This yoghurt has no flavour; it's totally tastless.
15. The bees were huming loudly inside the hive.

clothes

powerful

boundary

tasteless

humming

/ 5