

Short	Matl	Problem
1)	C	Solving
2)	D	1) d
3)	C	2) a
4)	E	3) e
5)	A	4) a
6)	d	5) b
7)	c	6) e
8)	b	7) d
9)	b	8) c
10)	d	9) e
11)	d	10) b
12)	B	11) b
13)	d	12) d
14)	a	13) a
15)	e	14) b
16)	a	15) a
17)	d	16) e
18)	b	17) d
19)	b	18) d
20)	b	19) c
		20) a

### VR: Compound words

( fence <u>wall</u> tree )	( coat pipe <u>paper</u> )
( easy worn <u>comfort</u> )	( <u>able</u> warm hike )
( sleek <u>pain</u> seek )	( search green <u>killer</u> )
( driver <u>pigeon</u> cook )	( cart tread <u>hole</u> )
( rinse <u>tomb</u> teach )	( <u>stone</u> repair apple )
( correct <u>sand</u> cement )	( case <u>bag</u> time )
( <u>bullet</u> pail grape )	( shade canal <u>proof</u> )
( draw <u>shame</u> smooth )	( <u>less</u> more even )
( flight sail <u>fire</u> )	( <u>power</u> vision fall )
( arm face <u>head</u> )	( waste enjoy <u>ache</u> )
( over <u>under</u> through )	( past mind <u>gone</u> )
( forward follow <u>back</u> )	( road <u>track</u> lane )
( <u>book</u> burn filter )	( <u>worm</u> hide loop )
( over <u>outer</u> below )	( trip <u>most</u> under )

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# VR TYPE O ANSWERS

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(CAMERA, MACE) (SENTRY, NEST) (CASKET, SACK)  
Order is 3214

(HINDER, RIND) (RENTED, DENT) (PARTED, DART)  
Order is 6234

(DEFINE, FIND) (POSTED, STEP) (MOTHER, THEM)  
Order is 3451

(CUSTARD, CARD) (VIOLENT, VENT) (SAILING, SING)  
Order is 1567

(CRASH, DASH) (FLASH, GASH) (SHAPE, TAPE)  
Add 1 to the first letter and keep the last three letters the same.

(POSTER, REST) (WANTED, DENT) (HASTEN, NEST)  
Order is 6534

(WANTED, WADE) (LOITER, LORE) (DUFFLE, DUEL)  
Order is 1265

(TABLES, SALT) (SINGER, RIGS) (REMAIN, NEAR)  
Order is 6241

(RETIRE, RITE) (SPARES, ERAS) (DECIDE, DICE)  
Order is 5436

(FLOOD, GOOD) (BOAST, CAST) (STALE, TALE)  
Add 1 to the first letter and keep the last three letters the same.

### 1. Which of the following is true about a rhombus?

- **A.** All angles are right angles.  
Incorrect: A rhombus can have angles that are not right angles. Only squares, a special type of rhombus, have right angles.
- **B.** The diagonals are equal in length.  
Incorrect: The diagonals of a rhombus are not equal in length; only in squares are the diagonals equal.
- **C.** The opposite sides are unequal.  
Incorrect: All sides of a rhombus are equal.
- **D.** The diagonals bisect each other at right angles.  
Correct: This is a defining property of a rhombus.
- **E.** Adjacent sides are perpendicular to each other.  
Incorrect: Adjacent sides in a rhombus form angles that are generally not 90 degrees.

No.other.correct.answers;

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### 2. Which statement is true about a parallelogram?

- **A.** All sides are unequal.  
Incorrect: In a parallelogram, opposite sides are equal.
- **B.** Opposite angles are equal.  
Correct: This is true for all parallelograms.
- **C.** The diagonals are always perpendicular.  
Incorrect: This property holds in a rhombus but not in general parallelograms.
- **D.** Adjacent angles are always equal.  
Incorrect: Adjacent angles in a parallelogram are supplementary (sum to 180 degrees), but they are not equal.
- **E.** All four sides are parallel.  
Incorrect: Only the opposite sides are parallel.

No.other.correct.answers;

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### 3. Which of the following is true about a kite?

- **A.** All sides are equal.  
Incorrect: A kite has two pairs of adjacent sides that are equal, not all four sides.
- **B.** Both pairs of opposite angles are equal.  
Incorrect: Only one pair of opposite angles is equal.
- **C.** One pair of opposite angles is equal.  
Correct: This is a property of a kite.
- **D.** The diagonals are equal in length.  
Incorrect: The diagonals in a kite are not equal in length.
- **E.** Opposite sides are parallel.  
Incorrect: No sides in a kite are parallel.

No.other.correct.answers;

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### 4. Which of these statements correctly describes a rectangle?

- **A.** All sides are of equal length.  
Incorrect: Opposite sides of a rectangle are equal, but adjacent sides are not.
- **B.** The diagonals are unequal.  
Incorrect: The diagonals of a rectangle are equal in length.
- **C.** All angles are right angles.  
Correct: This is a defining characteristic of a rectangle.
- **D.** Only two angles are right angles.  
Incorrect: All four angles in a rectangle are right angles.
- **E.** Adjacent angles are supplementary.  
Incorrect: While this is true, it is a general property of all parallelograms, not specific to rectangles. "All angles are right angles" is a more defining feature.

No.other.correct.answers;

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### 5. What is true about the diagonals of a square?

- **A.** They are unequal in length.  
Incorrect: The diagonals of a square are always equal in length.
- **B.** They bisect each other but do not form right angles.  
Incorrect: In a square, the diagonals bisect each other at right angles.

- **C.** They do not intersect.  
Incorrect: The diagonals of a square always intersect at the center.
- **D.** They bisect each other at right angles.  
Correct: This is true for all squares.
- **E.** Only one diagonal bisects the other.  
Incorrect: Both diagonals bisect each other in a square.

No.other.correct.answers;

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### 6. Which of the following statements about a trapezium is true?

- **A.** Both pairs of opposite sides are parallel.  
Incorrect: This describes a parallelogram, not a trapezium.
- **B.** All four sides are of equal length.  
Incorrect: Only in a special trapezium (isosceles) are certain sides equal, but not all four.
- **C.** One pair of opposite sides is parallel.  
Correct: This is the defining feature of a trapezium.
- **D.** The diagonals are always equal.  
Incorrect: The diagonals are not necessarily equal in a trapezium.
- **E.** Adjacent angles are equal.  
Incorrect: Adjacent angles in a trapezium are not necessarily equal.

No.other.correct.answers;

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### 7. In an isosceles trapezium, which statement is true?

- **A.** All angles are right angles.  
Incorrect: Only in a rectangle do all angles equal 90 degrees.
- **B.** The non-parallel sides are unequal.  
Incorrect: In an isosceles trapezium, the non-parallel sides are equal.
- **C.** The base angles are equal.  
Correct: In an isosceles trapezium, the base angles are indeed equal.
- **D.** The diagonals are always perpendicular.  
Incorrect: The diagonals of an isosceles trapezium are not perpendicular.

- **E.** All sides are of different lengths.

Incorrect: In an isosceles trapezium, the non-parallel sides are equal.

No.other.correct.answers;

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### 8. Which of the following is true about the diagonals of a parallelogram?

- **A.** They are equal in length.

Incorrect: The diagonals of a parallelogram are not necessarily equal.

- **B.** They bisect each other at right angles.

Incorrect: This property holds only in special cases, like a rhombus.

- **C.** They do not bisect each other.

Incorrect: The diagonals of a parallelogram always bisect each other.

- **D.** They bisect each other but are not equal in length.

Correct: This is true for a parallelogram.

- **E.** They intersect outside the shape.

Incorrect: The diagonals of a parallelogram always intersect within the shape.

No.other.correct.answers;

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### 9. Which is true about the diagonals of a kite?

- **A.** They are equal in length.

Incorrect: The diagonals of a kite are not equal in length.

- **B.** They bisect each other at right angles.

Correct: This is true for a kite.

- **C.** They are parallel to each other.

Incorrect: The diagonals of a kite are not parallel.

- **D.** They do not intersect.

Incorrect: The diagonals of a kite always intersect.

- **E.** Both diagonals are bisected equally.

Incorrect: Only one diagonal is bisected in a kite.

No.other.correct.answers;

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### 10. Which of the following is true about the angles in a rhombus?

- **A.** All angles are equal.  
Incorrect: Only in a square are all angles equal (90 degrees).
- **B.** All angles are right angles.  
Incorrect: Only in a square (a special type of rhombus) are all angles right angles.
- **C.** Opposite angles are equal.  
Correct: This is true for all rhombuses.
- **D.** The adjacent angles are equal.  
Incorrect: Adjacent angles in a rhombus are supplementary but not equal.
- **E.** None of the angles are equal.  
Incorrect: Opposite angles in a rhombus are always equal.

No.other.correct.answers;

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### 11. Which fact is true about a rectangle's diagonals?

- **A.** The diagonals bisect each other at right angles.  
Incorrect: The diagonals in a rectangle bisect each other but do not necessarily meet at right angles.
- **B.** The diagonals are unequal.  
Incorrect: The diagonals in a rectangle are always equal.
- **C.** The diagonals bisect each other and are equal in length.  
Correct: This is true for all rectangles.
- **D.** The diagonals do not intersect.  
Incorrect: The diagonals of a rectangle always intersect at the center.
- **E.** Only one diagonal bisects the other.  
Incorrect: Both diagonals bisect each other in a rectangle.

No.other.correct.answers;

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### 12. What is true about the sides of a parallelogram?

- **A.** Opposite sides are unequal.  
Incorrect: In a parallelogram, opposite sides are always equal.
- **B.** Adjacent sides are equal.  
Incorrect: Adjacent sides are only equal in a rhombus or square.

- **C.** All sides are unequal.  
Incorrect: Opposite sides of a parallelogram are equal.
- **D.** Opposite sides are equal and parallel.  
Correct: This is a defining characteristic of a parallelogram.
- **E.** Only one pair of sides is parallel.  
Incorrect: Both pairs of opposite sides in a parallelogram are parallel.

No.other.correct.answers;

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### 13. What is true about the adjacent angles in a parallelogram?

- **A.** Adjacent angles are always right angles.  
Incorrect: Only in a rectangle or square are all angles right angles.
- **B.** Adjacent angles are supplementary (sum to 180 degrees).  
Correct: This is true for all parallelograms.
- **C.** Adjacent angles are equal.  
Incorrect: Opposite angles in a parallelogram are equal, not adjacent angles.
- **D.** Adjacent angles sum to 90 degrees.  
Incorrect: The sum of adjacent angles in a parallelogram is 180 degrees, not 90.
- **E.** Adjacent angles are complementary.  
Incorrect: Adjacent angles are supplementary, not complementary.

No.other.correct.answers;

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### 14. Which statement is true about a square?

- **A.** Opposite sides are unequal in length.  
Incorrect: All sides of a square are equal.
- **B.** All angles are equal but not right angles.  
Incorrect: In a square, all angles are equal, and all are right angles (90 degrees).
- **C.** The diagonals are equal but do not bisect each other.  
Incorrect: The diagonals of a square both bisect each other and are equal.
- **D.** All sides are equal, and all angles are right angles.  
Correct: This is a defining property of a square.
- **E.** Only two sides are equal in length.  
Incorrect: All four sides of a square are equal.



No.other.correct.answers;

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**15. Which is true about the angles in an isosceles trapezium?**

- **A.** All four angles are equal.  
Incorrect: Only in a square or equilateral shape are all four angles equal.
- **B.** The diagonals are always equal.  
Incorrect: While the diagonals of an isosceles trapezium may be close in length, they are not necessarily always equal.
- **C.** The base angles are equal.  
Correct: This is a property of an isosceles trapezium.
- **D.** All angles are right angles.  
Incorrect: Only in a rectangle or square are all angles right angles.
- **E.** No angles are equal.  
Incorrect: In an isosceles trapezium, the base angles are equal.

No.other.correct.answers;

Answer key	Key		
1 c	1 b	<b>Answer Key</b>	2D View Key
2 a	2 d	<b>3D Blocks</b>	1 e
3 d	3 c	1 d	2 b
4 b	4 e	2 c	3 d
5 e	5 e	3 e	4 c
6 e	6 a	4 d	5 d
7 b	7 c	5 b	Combined Shape Key
8 e	8 b	<b>Rotation</b>	1 a
9 a	9 d	1 d	2 d
10 c	10 c	2 e	3 e
11 e	11 a	3 b	4 e
12 d	12 d	4 a	5 c
13 c	13 e	5 f	6 b
	14 c	6 c	
	15 e		
	16 a		

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**Answer Key:**

1. d) Watch the wall and don't ask questions.
2. e) Brandy, tobacco, and letters.
3. e) Put the brushwood back and leave them alone.
4. d) The coat has been used in a recent journey.
5. c) They are trying to find out if the Gentlemen passed through.
6. c) You'll receive a present from France.
7. e) They are trained not to bark at the Gentlemen.
8. a) Ignorance is safer than knowing too much.
9. d) Warning or advising.
10. e) Smugglers bringing goods secretly.
11. d) They receive smuggled goods like brandy and tobacco.
12. d) To avoid seeing the Gentlemen's illegal activities.
13. c) They will disappear by the next day.
14. b) A bribe or reward for silence.
15. d) Worrying or being anxious.