



BROAD HORIZON
— T U I T I O N —

11+ Tuition

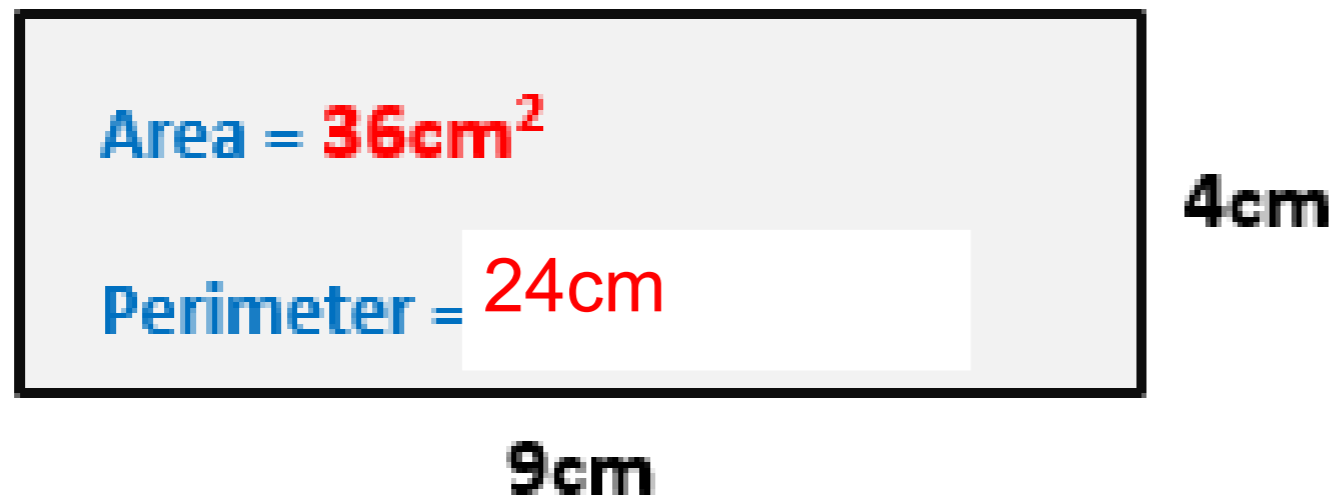
Year4

Week 18

ANSWERS

Starter Task – Quick Revision

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



2. Workout $\frac{2}{5}$ of 510
204
3. Workout $\frac{5}{7}$ of 175
125
4. $3^2 + 10 \times 4 \div 2^3$
14
5. Convert 24% into a fraction (simplify)
6/25
6. What is the median of 9, 2, 5, 13, 6 and 17
7.5
7. $32.75 \times 1000 =$
32750
8. What is $87 \times 6 =$
522
9. Convert 0.125 into a fraction (simplify)
1/8

Exercise C

1. Opponent
2. Insert
3. Hoarse
4. Indescribable
5. Junction
6. Lifelong
7. Effect
8. Invaluable
9. Insufficient
10. Epic

Answers

Question	Answer
1	49
2	2
3	16
4	48
5	40
6	32
7	60
8	8
9	2
10	8
11	27
12	52
13	14
14	24
15	96

Question	Answer
16	40
17	72
18	44
19	36
20	91
21	97
22	132
23	78
24	42
25	304
26	837
27	117
28	522
29	108
30	384

Answers

Question	Answer
1	72
2	0.5
3	5
4	25
5	21
6	45
7	21
8	2.5
9	32
10	45
11	72
12	14
13	27.5
14	93.5
15	22.5

Question	Answer
16	15
17	18
18	123.5
19	19.5
20	9.5
21	44
22	544
23	345
24	931
25	243
26	77
27	15.5
28	533
29	390
30	480

Answers

Question	Answer
1	35
2	20
3	35
4	7.5
5	60
6	2.5
7	45
8	7.5
9	10
10	10
11	30
12	70
13	30
14	90
15	45

Question	Answer
16	2.5
17	30
18	27.5
19	127.5
20	37.5
21	112.5
22	170
23	12.5
24	290
25	585
26	555
27	7.5
28	307.5
29	440
30	10

Answers

Question	Answer
1	28.4
2	16.8
3	31.2
4	9
5	24.5
6	77.4
7	17.5
8	25.2
9	5.3
10	14.4
11	49.7
12	30.4
13	9.9
14	24.2
15	32.5

Question	Answer
16	13.6
17	10.8
18	87.3
19	1.1
20	48.1
21	185.5
22	342
23	8.5
24	461.7
25	464.1
26	87.3
27	242.5
28	640
29	467.2
30	243

Answers

Question	Answer
1	25.2
2	7.28
3	22.8
4	14.3
5	65.96
6	46.62
7	37.63
8	25.2
9	28.42
10	38
11	81
12	164.35
13	50.92
14	32.34
15	4.59

Question	Answer
16	15.36
17	8.84
18	19.35
19	3.36
20	1.32
21	78.03
22	221.34
23	115.5
24	24.9
25	72
26	587.07
27	386.1
28	36.4
29	93.84
30	328.95

Finding Percentages of Amounts Answers

	Item	Full Price	Sale Price	Challenge (+25% Price)
1.	Trainers	£46.20	75% = £34.65	£57.75
2.	Book	£12.80	75% = £9.60	£16.00
3.	Hairdryer	£16.40	75% = £12.30	£20.50
4.	Mobile phone	£63.60	75% = £47.70	£79.50
5.	Tablet	£141.00	75% = £105.75	£176.25
6.	Jeans	£28.80	75% = £21.60	£36.00
7.	Pencil case	£4.40	75% = £3.30	£5.50
8.	T-Shirt	£9.20	75% = £6.90	£11.50
9.	Football	£6.88	75% = £5.16	£8.60
10.	Guitar	£32.64	75% = £24.48	£40.80

Test 2 - Commedia dell'Arte

Question	Answer	Explanation
1	B	Refer to lines 1-2: 'Commedia dell'Arte' is Italian for 'Comedy of Craft'. It is the name of a style of theatre that emerged in the second half of the 16 th century... The 16 th Century is another name for the 1500s.
2	C	Knowledge of vocabulary required. Refer to lines 4-5: '...characterised by its basis in controlled improvisation and its loud, colourful and exaggerated style...'. 'Improvised' is used in the text and 'flamboyant' is a synonym for 'exaggerated'.
3	B	Refer to lines 8-9: '...relied on various props (<i>robbe</i>)...'
4	D	Refer to lines 10-11: 'The earliest known company was in Padua in 1545.'
5	E	Refer to lines 11-12: 'By the turn of the 17 th century, there were several troupes such as the <i>Gelosi</i> , <i>Confidenti</i> and <i>Fedeli</i> .' 'Troupes' is a term used for a group of actors.
6	A	Refer to lines 14-15: '...a favourite theme of well-known artists such as Jean-Antoine Watteau (1684 -1721).'
7	E	Refer to lines 16-17: 'Commedia dell'Arte was unusual because female roles were played by women...'
8	E	Refer to lines 17-20: 'English theatre critics generally disapproved of troupes with female actors... Perhaps due to this international pressure... Italian prelates (religious figures) tried to ban female performers...'
9	D	Refer to lines 25-26: 'Many of the basic plot elements can be traced back to the Roman comedies...'
10	A	Refer to lines 30-32: '...Commedia dell'Arte was born during the Renaissance, following the plague... and major themes of Commedia dell'Arte were death, love, hunger and greed.'
11	C	Reader's logical inference required. Refer to lines 37-38: '...'stock characters'. Commedia dell'Arte had three main groups of stock roles: the servants (or clowns), the masters (or elders), and the lovers.' 'Queen' is the best option because it is not mentioned in this list.
12	D	Knowledge of vocabulary required. 'Miserly' means unwilling to spend money.
13	B	Refer to lines 48-50: 'The term 'slapstick', referring to physical comedy characterised by broad humour, absurd situations, and often violent action...'
14	A	Refer to line 51: 'The slapstick, typically carried by Arlecchino...'
15	C	Reader's logical inference required. Refer to lines 42-43 and 59-60: '...Pulcinella, a dwarfish humpback with a crooked nose...' and '...the character of Punch is directly descended from Commedia dell'Arte's Pulcinella.' Punch is based on the character of Pucinella, who has a crooked nose.

Test 6 Missing Letters

- 01** *ACCOMPLISH*
- 02** *DAMAGE*
- 03** *COMPONENT*
- 04** *NARROW*
- 05** *AFFLUENT*
- 06** *DONATE*
- 07** *IMITATE*
- 08** *AUDIBLE*
- 09** *OBSERVE*
- 10** *SEPARATE*
- 11** *INTIMATE*
- 12** *HINDER*
- 13** *FORTUNATE*
- 14** *HARMLESS*
- 15** *SATISFACTORY*

01 CARELESSNESS

02 COMPLIMENT

72

03 SCAMPER

04 MYSTERIOUS

05 PESTER

06 WONDERFUL

Q7 ACTIVATE

QS RELEASE

09 BEGINNING

10 SURPLUS

11 FASCINATING

12 OUTGOING

Q13 DISGUISED

014 WORTHLESS

015 SHOCK

est 40 Miss-ng Letters

01 *ENTHUSIASTIC*

02 *FLEXIBLE*

03 *AUTHORISE.*

04 *EXPOSE*

05 *SURRENDER*

06 *OBTAINABLE*

Test 40 answ

07 *INVALIDATE.*

08 *CELEBRATE*

09 *ENVELOP*

10 *ANIMATED*

11 *CHANGEABLE*

12 *INDIFFERENT*

13 *ERRONEOUS*

14 *UNREASONABLE*

15 *FRAGRANT*

TYPE SIXTEEN:

S
R
J
M
O
K
I
Q
C
MO
MG
MM
IG
DG
SR
PT
IF
GK
HZ
FT

U
U
E
J
R
J
R
K
X
PR
OE
RO
JF
WS
QT

Test 16

1. hello my name is David
2. a baby cat is called a kitten
3. the astronaut rode in a rocket to the moon
4. the car was going too fast
5. she mended her broken coat
6. the sun shone brightly in the sky
7. the moon was reflected in the lake
8. the boys rode their bicycles through the town
9. the field was full of sheep grazing
10. they splashed in the pool

C o z e Wordbank Test 9

Q1 D
ceremonial

Q2 G
acquired

Q3 I
Queen

Q4 E
toughened

Q5 J
guarded

1ge 68

Q6 8
nicknamed

Q7 C
disguised

Q8 A
accomplices

Q9 F
apprehended

Q10 H
perpetrators

ASSESSMENT TEST 11

Section 1 - Find the Figure Like the First Two

1. **D**

All figures must have a large pentagon.

2. **D**

All figures must have two black triangles at the top. The grey shapes on the left and right of the figure must have four sides.

3. **A**

All figures are identical apart from rotation. (It is a reflection.)

4. **B**

All figures must have three shapes that are identical apart from size, and an arrow that points to the largest shape.

5. **B**

All figures must have two feathers that are identical apart from size. The smaller feather must be in front of the larger feather:

Section 2 - Rotate the Figure

1. **B**

The figure has been rotated 90 degrees clockwise. Options A, C and D have the wrong shading.

2. **D**

The figure has been rotated 270 degrees clockwise (or 90 degrees anticlockwise). In option A, the figure has been reflected downwards. In option B, there are too few lines. In option C, the pencil has the wrong shading.

3. **A**

The figure has been rotated 90 degrees clockwise. Option B has the wrong shading. In option C, the bird's beak and tail are behind its head and body. Option D is a rotated reflection.

4. **B**

The figure has been rotated 90 degrees clockwise. Option A is missing the small curved rectangles. In options C and D, the small curved rectangles have the wrong shadings. Option C is also a rotated reflection.

5. **C**

The figure has been rotated 180 degrees. Options A and D have the wrong shading. In option B, there is an extra wavy line.

Section 3 - Complete the Pair

1. **B**

The figure rotates 90 degrees clockwise and is hatched going diagonally down to the right.

2. **B**

The figure gets smaller: All the black shapes turn white and all the white shapes turn black.

3. **A**

The outline of the large dotted shape becomes a solid arrow.

4. D

The hatched segment moves one place clockwise and the grey segment moves one place anticlockwise.

5. B

The small shape moves down so that its top edge touches the bottom edge of the large shape. The line moves to the top of the figure.

Section 4 - Odd One Out

1. E

All other figures have two four-sided shapes.

2. C

In all other figures, the flat ends of the bow tie shapes point towards the curved sides of the outer shape. (In C, the flat ends point towards the flat sides of the outer shape.)

3. 8

In all other figures, the white line points to the left;

4. C

In all other figures, the two halves of the hearts closest to each other are the same colour.

5. A

In all other figures, both shapes at the bottom of the figure are in front of the white rectangle.

Section 5 - Look at the Figure from the Top

1. C

There should be two blocks at the front of the figure, one on the right-hand side and one on the left-hand side, with a gap in the middle, which rules out option A. There should be a row of three blocks at the back of the figure, which rules out options B and D.

2. A

There should be two blocks next to each other at the front of the figure, which rules out option B. There should be three blocks visible from above, which rules out options C and D.

3. B

There should be seven blocks visible from above, which rules out options A, C and D.

4. 8

There should be five blocks visible from above, which rules out options A and C. On the left-hand side of the figure there should be two blocks next to each other; which rules out option D.

Section 6 - Look at the Figure from the Right

1. B

There are two cubes in the figure, which rules out options A and D. The white cube should be on the right of the figure, which rules out option C (In option C, it is at the back of the figure.)

2. A

There should be a white cube at the back of the figure, which rules out option B. There should be another white cube at the bottom of the figure, which rules out option C. The grey block should be on top of a white block two cubes long, which rules out option D.

3. B

There should be a white cube on the left of the figure at the front, which rules out options A and D. There should be a white cube at the back of the figure at the top, which rules out option C.

4. D

On the left-hand side of the figure, there should be a white block two cubes long on top of another white block two cubes long. This rules out option A. On the left-hand side, the white block standing upright should be on top of the white block lying on its side, which rules out option B. The grey block should hang off the white block on the right-hand side, which rules out option C.

Quick Lesson Recap

1. What is 20% of 400?

80

2. What is 35% of 280?

98

3. What is 65% of 740?

481

4. Workout $\frac{3}{4}$ of 160

120

5. Workout $\frac{4}{9}$ of 90

40

6. Convert $\frac{11}{20}$ into a percentage

55%

7. What is the mean of 15, 7, 6 and 4?

8

8. $24.5 \div 1000 =$

0.0245

9. What is the LCM of 8 and 12 ?

4

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

30

Exercise A

1. Arcade
2. Demolish
3. Generous
4. Resent
5. Dissolve
6. Depress
7. Gulp
8. Decorate
9. Opportunist
10. Inaudible

Exercise B

1. Resent
2. Demolish
3. Gulp
4. Depress
5. Dissolve
6. Inaudible
7. Decorate
8. Generous
9. Arcade
10. Opportunist