

# St Olaves / Newstead

## Homework 14 Answer Key

### Comprehension

1. c. The author discourages readers from purchasing foreign-made products due to safety concerns.
2. c. Enthusiastic and patriotic
3. a. Buying Homelandia-made products directly boosts the economy and creates job opportunities.
4. a. The lack of safety standards in foreign manufacturing.
5. c. Readers who prioritize supporting Homelandia's economy and workers.
6. a. They are stricter than in most other countries.
7. b. Foreign-made products may contain hazardous substances that do not meet safety standards.
8. b. To promote the importance of supporting the domestic economy by purchasing Homelandia-made products.
9. c. They are generally more affordable and budget-friendly.
- 10.c. The author encourages readers to be mindful of the environmental impact of their purchasing decisions.

# Math

11) Here is a list of numbers

3 3 4 5 5 5 5 6 7 8

Write down the mode of the numbers.

5

(1)

12) Five friends play a game.  
Here are their scores.

80 120 160 60 250

Work out the median.

60 80 120 160 250

120

(2)

Here is a list of numbers.

3 2 6 11 13

$$\begin{aligned}3 + 2 &= 5 \\5 + 6 &= 11 \\11 + 11 &= 22 \\22 + 13 &= 35\end{aligned}$$

13) Work out the mean

$$3 + 2 + 6 + 11 + 13 = 35$$

$$35 \div 5$$

7

(2)

14) Work out the range

$$13 - 2$$

11

(1)

James has a spinner that has sections labelled 1 to 5.  
He spins the spinner 10 times.

Here are his scores.

1 4 4 2 3 4 5 1 4 1

15) Find the mode.

$$\begin{array}{r} 4 \\ \hline \end{array} \quad (1)$$

16) Work out the mean.

$$1 + 4 + 4 + 2 + 3 + 4 + 5 + 1 + 4 + 1 = 29$$
$$29 \div 10 = 2.9$$

$$\begin{array}{r} 2.9 \\ \hline \end{array} \quad (2)$$

17) Work out the range.

$$5 - 1 = 4$$

$$\begin{array}{r} 4 \\ \hline \end{array} \quad (2)$$

18) Simone records the number of minutes she spends on her mobile phone over 7 days.

8 5 13 6 24 19 10

Find the median.

~~8~~ ~~5~~ ~~6~~ 10 ~~13~~ ~~19~~ 24

$$\begin{array}{r} 10 \text{ minutes} \\ \hline \end{array} \quad (2)$$

A football team played six games.

Here are the number of goals they scored in each game:

6 0 3 2 2 5

- 19) Work out the median number of goals scored.

~~6~~ ~~0~~ 2 3 ~~2~~ ~~5~~

$$\begin{array}{r} 2.5 \\ \hline \end{array} \quad (2)$$

- 20) Work out the mean number of goals scored.

$$0 + 2 + 2 + 3 + 5 + 6 = 18$$

$$18 \div 6 = 3$$

$$\begin{array}{r} 3 \\ \hline \end{array} \quad (2)$$

The football team play one more game.

The mean number of goals scored increases to 4.

- 21) Work out the number of goals scored in the seventh game.

$$4 \times 7 = 28$$

$$28 - 18 = 10$$

$$\begin{array}{r} 10 \\ \hline \end{array} \quad (2)$$

# Verbal Reasoning

22. Arrange the given phrases to form a meaningful sentence. The first and last parts of the sentences are already supplied.
- Start: It is advisable  
P: knowledge about trivial household  
Q: fitting, in order that you do not  
R: works like cooking, plumbing, repairing, and electrical  
S: to have a minimum working  
T: feel utterly helpless in  
End: demanding situations
- A. TPRQS  
B. PQSRT  
C. SPRQT  
D. SPQTR
23. Rearrange the given words to make a meaningful sentence. After rearranging, what is the second letter of the third word?  
may to your a short taking nerves help nap settle
- A. a  
B. o  
C. h  
D. e
- (Taking a short nap may help to settle your nerves.)
24. In a given code language, SELF is written as LESF, and POND is written as NOPD. How will the word KITE be written in that language?
- A. IKET  
B. TIKE  
C. EIKT  
D. EKIT
25. Mercury : Amalgam :: ? : Steel
- A. Copper  
B. Metal  
C. Strength  
D. Iron
26. The word carrying an opposite sense to 'proximal' can be
- A. Remote  
B. Central  
C. Peripheral  
D. Lackluster
27. Identify the missing number of the sequence:  
15, ?, 35, 48, 63
- A. 20  
B. 24  
C. 27

D. 21

(They are  $n(n+2)$ -type numbers, 'n' starting from 3.)

28. In a certain code language 'CAT' is written as 'XZG'. What could be the code for 'DAY' in the same language?

A. WZB

B. TZB

C. TBZ

D. WBZ

(Code is obtained by replacing letters with those in same position of the alphabet when counted backward.)

29. Arrange the clause listed below to make a meaningful sentence, and identify the correct order of the arrangement:

P: of success

Q: of the project, nothing

R: said with certainty

S: on the matter

T: can be

A. TSRPQ

B. SRTQP

C. SPQTR

D. QRTSP

(On the matter of success of the project, nothing can be said with certainty.)

30. In a code language 'blue mountain' is written as 'du pont', 'river valley' is written as 'kon gala', and 'blue mountain valley' is written as 'kon du pont'. What is the code for 'river' in the language?

A. gala

B. kon

C. pont

D. du

31. When the words given below are properly arranged, a meaningful sentence is formed. What is the first letter of the fourth word of the sentence?

of could a make situation most head the or tail not people

A. m

B. t

C. n

D. o

(Most people could not make a head or tail of the situation)

# NVR

32.E

33.D

34.A

35.A

36.A

37.D

38.C

39.B

40.B

41.E