Maths

Choose one answer for each question. Questions are on pages 1-4; worked answers are on pages 5-8.
Independent general-skills practice. Allow about 20 minutes for all four subjects if you choose to time it.

1. Round 36,750 to the nearest thousand.

A. 40000
B. 37000
C. 36000
D. 36800

2. A baker makes 5 batches of 32 rolls and sells 118 rolls. How many are left?

A. 42
B. 278
C. 160
D. 86

3. A rope is 3/4 of a metre long. A piece 1/8 of a metre is cut off. Express the remaining length in eighths of a metre. How many eighths remain?

A. 2
B. 6
C. 7
D. 5

4. What is 9.6 ÷ 0.3?

A. 2.88
B. 320
C. 32
D. 3.2

5. A team wins 21 of its 28 games. What percentage of its games does it win?

A. 70
B. 75
C. 25
D. 21

English

Choose one answer for each question. Questions are on pages 1-4; worked answers are on pages 5-8.

6. The school walk begins at the hall. After the bridge, the group stops at the orchard before finishing at the station. Where does the walk finish?

A. The hall
B. The bridge
C. The orchard
D. The station

7. “You can borrow my compass,” said Noor, placing it in a padded case before handing it over. What does the case suggest?

A. She could not recognise a compass
B. She intended to throw it away
C. She wanted the compass protected
D. She wanted it to be difficult to find

8. Jo's response was measured; she paused and chose calm words despite the accusation. What does “measured” mean here?

A. Repeated exactly ten times
B. Careful and controlled
C. Expressed in centimetres
D. Loud and uncontrolled

9. The choir recorded one rehearsal, listened for unclear words and tried again with slower phrasing. Their second recording was easier to understand. What is the main idea?

A. Reviewing a recording helped improve the choir's clarity
B. Recording always makes voices louder
C. The choir stopped rehearsing
D. Every song must be sung slowly

10. The bus left after the rain stopped. Eva bought her ticket before the rain stopped but after reaching the stop. Which event was first?

A. Eva bought her ticket
B. The rain stopped
C. The bus left
D. Eva reached the stop

Verbal reasoning

Choose one answer for each question. Questions are on pages 1-4; worked answers are on pages 5-8.

11. Which word is closest in meaning to abundant?

A. hidden
B. fragile
C. plentiful
D. scarce

12. Which word is opposite in meaning to voluntary?

A. helpful
B. compulsory
C. willing
D. optional

13. Editor is to manuscript as mechanic is to ___.

A. engine
B. recipe
C. garden
D. painting

14. Alternate vowels A,E,I,O,U with the letters B,C,D,E,F: A, B, E, C, I, D, O, ___.

A. U
B. F
C. P
D. E

15. Swap the two halves of a four-letter word without reversing either half. How is FISH written?

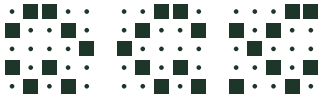
A. IFHS
B. FSIH
C. SHFI
D. HSIF

Non-verbal and spatial reasoning

Choose one answer for each question. Questions are on pages 1-4; worked answers are on pages 5-8.

Filled cells are squares. Empty cells are dots. Blank columns separate panels.

16. Read the three panels left to right. Each step is a move of one column right, wrapping the last column to the first. Which panel comes next?



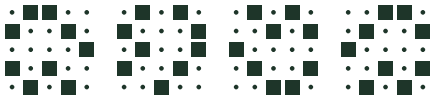
A. 

B. 

C. 

D. 

17. Three panels are rotations of one silhouette. Which panel cannot be obtained by rotating the others? Do not turn the paper over.



A. A (first)

B. B (second)

C. C (third)

D. D (fourth)

18. Rotate the whole panel 2 quarter-turns clockwise about its centre. Which result is correct?



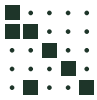
A. 

B. 

C. 

D. 

19. Keep all existing filled cells. Add only their mirror partners to give horizontal symmetry. Which is the completed panel?



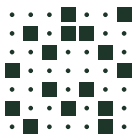
A. 

B. 

C. 

D. 

20. Which option appears as an exact 5-by-5 square window inside this larger mosaic? Match empty cells as well as filled cells. No rotation or reflection is allowed.



A. 

B. 

C. 

D. 

Maths

Worked answers. Review these after completing the questions.

1. Correct choice B. 37000

36,750 is 750 above 36,000 and only 250 below 37,000, so it rounds to 37,000.

A. This rounds to the nearest ten thousand instead.
C. This rounds down despite the hundreds digit being 7.
D. This rounds to the nearest hundred instead.

2. Correct choice A. 42

Five batches give 160 rolls. Subtract the 118 sold: 160 - 118 = 42.

B. This adds sales to the number baked.
C. This gives the number before selling any.
D. This subtracts one batch from sales rather than sales from all batches.

3. Correct choice D. 5

Three quarters equals six eighths. Six eighths minus one eighth leaves five eighths.

A. This subtracts numerators without using a common denominator.
B. This gives the length before the piece is removed.
C. This adds the cut-off piece instead of subtracting it.

4. Correct choice C. 32

Multiply both numbers by 10: 9.6 ÷ 0.3 = 96 ÷ 3 = 32.

A. This multiplies instead of dividing.
B. This multiplies only the dividend by an extra ten.
D. This divides by 3 rather than 0.3.

5. Correct choice B. 75

21/28 simplifies to 3/4, which is 75%.

A. Seventy per cent of 28 would be 19.6, not the stated 21 wins.
C. This gives the percentage of games not won.
D. This gives the count of wins.

English

Worked answers. Review these after completing the questions.

6. Correct choice D. The station

The words “finishing at the station” identify the endpoint.

A. This is the starting point.
B. It is passed before the orchard.
C. This is a stop before the finish.

7. Correct choice C. She wanted the compass protected

Padding protects an instrument during transport.

A. She named it.
B. She offered it for borrowing.
D. She handed it directly over.

8. Correct choice B. Careful and controlled

Pausing and choosing calm words show a controlled response.

A. No repetition count is given.
C. This meaning of measure does not fit a response.
D. Her words were calm.

9. Correct choice A. Reviewing a recording helped improve the choir's clarity

Feedback led to changed phrasing and clearer words.

B. Volume is not the improvement described.
C. They tried again.
D. Only this attempt is described.

10. Correct choice D. Eva reached the stop

The order is reach stop, buy ticket, rain stops, bus leaves.

A. This followed reaching the stop.
B. This followed the ticket purchase.
C. This was after the rain stopped.

Verbal reasoning

Worked answers. Review these after completing the questions.

11. Correct choice C. plentiful

Abundant means present in large quantities.

A. Hidden concerns visibility.
B. Fragile concerns strength.
D. Scarce is the opposite.

12. Correct choice B. compulsory

Compulsory means required, while voluntary means freely chosen.

A. Helpful does not concern obligation.
C. Willing is similar to voluntary.
D. Optional is similar to voluntary.

13. Correct choice A. engine

An editor improves a manuscript; a mechanic works on an engine.

B. A recipe is not the mechanic's usual object of repair.
C. A gardener tends a garden.
D. A conservator may restore a painting.

14. Correct choice D. E

The even-position sequence is B,C,D,E, so E follows O.

A. U is the next vowel, at the following odd position.
B. F skips E in the even-position sequence.
C. P belongs to neither stated sequence at this point.

15. Correct choice C. SHFI

FI and SH exchange places to make SHFI.

A. This reverses each half instead.
B. This does not swap halves.
D. This reverses the whole word.

Non-verbal and spatial reasoning

Worked answers. Review these after completing the questions.

16. Correct choice C

Apply a move of one column right, wrapping the last column to the first once more to the third panel. The result has 9 filled cells. A rule acts on every position, including empty cells.

A. This has 9 filled cells; row 4, column 1 should be filled but is empty. Apply the stated rule to every cell.
B. This has 9 filled cells; row 1, column 4 should be empty but is filled. Apply the stated rule to every cell.
D. This has 9 filled cells; row 1, column 1 should be filled but is empty. Apply the stated rule to every cell.

17. Correct choice D. D (fourth)

Panel D is reflected: its handedness reverses. The other three have identical relative cell positions after a rotation, without reflection.

A. This panel keeps the same handedness as two other panels. Turning it within the page aligns all its filled cells with those panels.
B. This panel keeps the same handedness as two other panels. Turning it within the page aligns all its filled cells with those panels.
C. This panel keeps the same handedness as two other panels. Turning it within the page aligns all its filled cells with those panels.

18. Correct choice C

Each clockwise quarter-turn sends row r, column c to row c, column 6-r. Apply that mapping 2 times to all 9 filled cells. Empty cells turn too.

A. This has 9 filled cells; row 1, column 2 should be filled but is empty. Apply the stated rule to every cell.
B. This has 9 filled cells; row 1, column 2 should be filled but is empty. Apply the stated rule to every cell.
D. This has 9 filled cells; row 1, column 3 should be empty but is filled. Apply the stated rule to every cell.

19. Correct choice A

Pair each filled cell with its image across the horizontal axis. Fill a partner only if it is empty. This adds 6 cells, giving 13 filled cells.

B. This has 7 filled cells; row 1, column 2 should be filled but is empty. Apply the stated rule to every cell.
C. This has 25 filled cells; row 1, column 3 should be empty but is filled. Apply the stated rule to every cell.
D. This has 12 filled cells; row 1, column 1 should be filled but is empty. Apply the stated rule to every cell.

20. Correct choice C

Start at row 2, column 3 of the mosaic. Read 5 rows and 5 columns. Every cell matches the correct option, including its 16 empty cells.

A. This patch has no exact window in the mosaic. Compared with the intended window, row 1, column 1 should be empty but is filled.
B. This patch has no exact window in the mosaic. Compared with the intended window, row 1, column 2 should be filled but is empty.
D. This patch has no exact window in the mosaic. Compared with the intended window, row 1, column 3 should be filled but is empty.