

Daily 5: Day 155 Name: _____

For questions 1 to 4, choose the correct answer from the options given.

1

Ella has 64 socks in a drawer: 32 are black, 16 are red and 16 are white. She takes one sock at random.

What is the probability that she picks a black sock?

A $\frac{1}{4}$

B $\frac{1}{3}$

C $\frac{1}{2}$

D $\frac{2}{3}$

E $\frac{3}{4}$

2

Look at the numbers 26, 27, 28, 29 and 30.

Which one of these numbers is a prime number?

A 26

B 27

C 28

D 29

E 30

3

You are told that $288 \div 9 = 32$.

Use this fact to work out $288 \div 3.2$.

A 9

B 32

C 90

D 320

E 900

4

In the calculation $224 \div b = 7$, b stands for a missing number.

What is the value of b ?

A 32

B 16

C 7

D 42

E 217

For question 5, write your answer in the space provided.

5

A function machine multiplies the number that goes in by 3, and then adds 9.

If the number 150 goes into the machine, what number comes out?

Read the whole passage again carefully, then answer the questions that follow. Write your answers neatly in the spaces provided.

Comprehension

The Attic Trunk

- 1 On a rainy Saturday, Ben climbed the creaking stairs to the dusty attic.
- 2 Rain drummed steadily on the roof while the wind rattled the small window.
- 3 In the far corner sat an old wooden trunk, its lid furred with grey dust.
- 4 The brass lock had long since broken, so the heavy lid lifted with a groan.
- 5 Inside lay bundles of yellowed letters, tied neatly with faded ribbon.
- 6 Beneath them was a battered tin box and a photograph in a cracked frame.
- 7 The photograph showed a young sailor smiling proudly beside a great ship.
- 8 Ben turned it over and read, in careful handwriting, "Grandad, 1942."
- 9 His heart quickened as he realised he was holding a piece of the past.
- 10 He carried the trunk downstairs, struggling under its surprising weight.
- 11 His grandmother's eyes shone when she saw what he had discovered.
- 12 "I thought these were lost for ever," she whispered, touching the letters.
- 13 She told him stories he had never heard, of voyages and distant harbours.
- 14 They spent the whole afternoon reading the letters at the kitchen table.
- 15 Outside the rain still fell, but the kitchen felt warm and full of memory.
- 16 Ben decided the attic held far greater treasure than he had ever imagined.

- 1 Look at line 3. Find one word that means the same as "covered".

- 2 Look at the word "battered" in line 6. What word type (part of speech) is it?
Choose from: noun, verb, adjective, adverb, pronoun.

- 3 Look at lines 1–4. Give two details that show the attic had not been used for a long time.

- 4** Look at line 12. What does Ben's grandmother mean when she says the letters "were lost for ever"?

- 5** Look at lines 14–16. How can you tell the letters brought Ben and his grandmother closer together? Give one detail from the text.

Answers

Maths

1. C (32 out of 64 are black $\rightarrow 32/64 = 1/2$)
2. D (29 is prime; the others are all even or multiples)
3. C ($288 \div 3.2 = 2880 \div 32 = 90$)
4. A ($224 \div 7 = 32$, so $b = 32$)
5. 459 ($150 \times 3 = 450$; $450 + 9 = 459$)

Comprehension (guide)

1. furred
2. adjective (it describes the tin box)
3. any two, e.g. 'creaking stairs' / 'dusty attic' / 'lid furred with grey dust' / 'brass lock had long since broken'
4. she believed the letters were gone and would never be found or seen again
5. accept any valid detail, e.g. they 'spent the whole afternoon reading' together / the kitchen felt 'warm and full of memory'