

Marine Communications and Traffic Services (MCTS) Aptitude Test - Answers

Subtest 1 - Arithmetic

1. The correct answer is **(2)** 4.

$$X = 5 \div 1.25$$

$$X = 4$$

2. The correct answer is **(2)** \$10.39

$$20\% = 0.2$$

80 % of the original cost would be found by multiplying 0.8

$$12.99 \times .8 = 10.392$$

3. The correct answer is **(5)** 6.5%

$$14.91 - 14.00 = 0.91 = 91 \text{ cents} // 0.91 \div 14.00 = 0.065 \text{ therefore } 6.5\%$$

Subtest 2 - Checking - comparing lists for errors

1. The correct answer is **(1)** 1 error
2. The correct answer is **(5)** no errors
3. The correct answer is **(2)** 2 errors

Subtest 3 - Coding and Decoding

1. The correct answer is **(3)** An ore ship with a diesel-electric engine heading WNW.
2. The correct answer is **(5)** 080710
3. The correct answer is **(1)** A NNE bound general cargo ship with a raised deck

Subtest 4 - Memory

1. The correct answer is **(5)** 10:30 pm
2. The correct answer is **(4)** Aqua Hunter, at anchor in Marlow Bay
3. The correct answer is **(3)** red, twin star
4. The correct answer is **(1)** the east side of Byron Island

Subtest 5 - Spatial Reasoning

1. The correct answer is **(4)** 1540 hrs.
2. The correct answer is **(5)** 2000 hrs. following I-E-D-C-B-A
3. The correct answer is **(2)** Southeast
4. The correct answer is **(3)** 1800 hrs.