Multiple choice questions - The four operations, order of operations and long division

Year: Year 6 · 10

Question 1 What is 5 + 2 x 10?

- ◯ **A.** 70
- ◯ **B.** 25
- ◯ **C.** 30
- ◯ **D.** 17

Question 2 What is 24 ÷ 4 x 3?

- ◯ **A.** 2
- ◯ **B.** 18
- ◯ **C.** 72
- ◯ **D.** 12

Question 3 Which of these is a prime number?

- ◯ **A.** 1
- ◯ **B.** 9
- ◯ **C.** 17
- ◯ **D.** 21

Question 4 Which number is NOT a factor of 30?

- ◯ **A.** 5
- ◯ **B.** 6
- ◯ **C.** 10
- ◯ **D.** 12

Question 5 What is 238 x 40?

- ◯ **A.** 952
- ◯ **B.** 9 520
- ◯ **C.** 95 200
- ◯ **D.** 9 502

Question 6 What is 972 ÷ 12?

- ◯ **A.** 81

- ◯ **B.** 79
- ◯ **C.** 84
- ◯ **D.** 76

Question 7 What is the lowest common multiple of 6 and 8?

- ◯ **A.** 12
- ◯ **B.** 14
- ◯ **C.** 24
- ◯ **D.** 48

Question 8 What is 3 + (12 - 2) x 4?

- ◯ **A.** 43
- ◯ **B.** 60
- ◯ **C.** 55
- ◯ **D.** 23

Question 9 What is the remainder when 500 is divided by 12?

- ◯ **A.** 5
- ◯ **B.** 8
- ◯ **C.** 10
- ◯ **D.** 41

Question 10 Which of these is a square number?

- ◯ **A.** 48
- ◯ **B.** 49
- ◯ **C.** 50
- ◯ **D.** 51

Answer grid - The four operations, order of operations and long division

Year: Year 6

Question	Answer	Explanation
1	**B**	Multiply first: 2 x 10 = 20. Then 5 + 20 = 25.
2	**B**	Go left to right: 24 ÷ 4 = 6, then 6 x 3 = 18.
3	**C**	17 only divides by 1 and 17. 9 = 3 x 3 and 21 = 3 x 7. 1 is not prime.
4	**D**	30 ÷ 12 is not a whole number.
5	**B**	238 x 4 = 952, then multiply by 10: 9 520.
6	**A**	12 x 81 = 972.
7	**C**	Multiples of 6: 6, 12, 18, 24. Multiples of 8: 8, 16, 24. First match: 24.
8	**A**	Brackets: 10. 10 x 4 = 40. 3 + 40 = 43.
9	**B**	12 x 41 = 492 and 500 - 492 = 8.
10	**B**	49 = 7 x 7.