

Week 1

This week in a nutshell:

The skill for each question is the same everyday, with the focus for this week being some of the fundamentals required for further work in the number system.

Question 1: Multiples and Factors

Question 2: Addition & Subtraction (Integers)

Question 3: Negative numbers (+-x÷)

Question 4: Multiplication & Division (Integers)

Question 5: Write in figures

The questions aim to develop and deepen understanding over the week. Due to the necessity of the topics covered this week, there is an emphasis on the interchangeability of command words, and language flexibility. It may be worth taking some extra time this week to make sure your students are developing their mathematical literacy.

This week's ideas for class discussion include:

Question 1: Multiples and Factors

- How can you remember the difference between a factor and a multiple?
- Why do some numbers have an even number of factors and some have an odd number of factors?

Question 2: Addition & Subtraction (Integers)

- Which words or phrases can be used for addition/subtraction?

Question 3: Negative numbers (+-x÷)

- What rules do you have to consider when dealing with negative numbers?

Question 4: Multiplication & Division (Integers)

- Which words or phrases can be used for multiplication/division?

Question 5: Write in figures

- What are place holders?
- Why are place holders important?
- How do we make sure the magnitude of the number is correct?

Week 1: Day 1

1) a) Write down the first 8 multiples of 4

b) Write down the factors of 18

2) a) $22 + 9$

b) $16 - 7$

3) a) -3×-7

b) $-8 + -3$

4) a) 3×8

b) $24 \div 6$

5) Write in figures the number three hundred and eleven

Week 1: Day 1 Answers

1) a) Write down the first 8 multiples of 4 = 4, 8, 12, 16, 20, 24, 28, 32

b) Write down the factors of 18 = 1, 2, 3, 6, 9, 18

2) a) $22 + 9$
 $= 31$

b) $16 - 7$
 $= 9$

3) a) -3×-7
 $= 21$

b) $-8 + -3$
 $= -11$

4) a) 3×8
 $= 24$

b) $24 \div 6$
 $= 4$

5) Write in figures the number three hundred and eleven
 $= 311$

Week 1: Day 2

1) a) Write down the first 8 multiples of 7

b) Write down the factors of 24

2) a) $78 + 32$

b) $14 - 7$

3) a) $-9 - -4$

b) $-24 \div -3$

4) a) 4×13

b) $54 \div 9$

5) Write in figures the number four thousand, seven hundred and two

Week 1: Day 2 Answers

1) a) Write down the first 8 multiples of 7

= 7, 14, 21, 28, 35, 42, 49, 56

b) Write down the factors of 24

= 1, 2, 3, 4, 6, 8, 12, 24

2) a) $78 + 32$

= 110

b) $14 - 7$

= 7

3) a) $-9 - -4$

= -5

b) $-24 \div -3$

= 8

4) a) 4×13

= 52

b) $54 \div 9$

= 6

5) Write in figures the number four thousand, seven hundred and two

= 4702

Week 1: Day 3

1) a) Write down the first 7 multiples of 13

b) Write down the factors of 45

2) a) What is the sum of 28 and 79?

b) Calculate the difference between 65 and 17?

3) a) $4 - -9$

b) $-24 \div -12$

4) a) What is the product of 8 and 23?

b) What is 96 divided by 8?

5) Write in figures the number sixty six thousand, and eighty five

Week 1: Day 3 Answers

- 1) a) Write down the first 7 multiples of 13

= 13, 26, 39, 52, 65, 78, 91

- b) Write down the factors of 45

= 1, 3, 5, 9, 15, 45

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- 2) a) What is the sum of 28 and 79?

= 107

- b) Calculate the difference between 65 and 17?

= 48

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- 3) a) $4 - -9$

= 13

- b) $-24 \div -12$

= 2

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- 4) a) What is the product of 8 and 23?

= 184

- b) What is 96 divided by 8?

= 12

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- 5) Write in figures the number sixty six thousand, and eighty five

= 66 085

Week 1: Day 4

1) a) Write down the first 9 multiples of 9

b) Write down the factors of 36

2) a) Work out the total of 327 and 89.

b) Decrease 166 by 47.

3) a) $4 - 5 - 9$

b) $24 \div -8$

4) a) What is 13 multiplied by 28?

b) What is 196 shared into 4 equal parts?

5) Write in figures the number seven hundred and eighteen thousand, five hundred and seventy four

Week 1: Day 4 Answers

1) a) Write down the first 9 multiples of 9

= 9, 18, 27, 36, 45, 54, 63, 72, 81

b) Write down the factors of 36

= 1, 2, 3, 4, 6, 9, 12, 18, 36

2) a) Work out the total of 327 and 89.

= 416

b) Decrease 166 by 47.

= 119

3) a) $4 - -5 - 9$

= 0

b) $24 \div - 8$

= -3

4) a) What is 13 multiplied by 28?

= 364

b) What is 196 shared into 4 equal parts?

= 49

5) Write in figures the number seven hundred and eighteen thousand, five hundred and seventy four

= 718 574

Week 1: Day 5

1) a) Write down the first 11 multiples of 8

b) Write down the factors of 90

2) a) What is 879 increased by 322?

b) Subtract 157 from 605.

3) a) $-3 \times -4 \times -7$

b) $48 \div -8$

4) a) What number is 18 multiplied by 43?

b) What is 216 shared into 6 parts?

5) Write in figures the number two million, fifty nine thousand, nine hundred and nine

Week 1: Day 5 Answers

- 1) a) Write down the first 11 multiples of 8
= 8, 16, 24, 32, 40, 48, 56, 64, 72, 80, 88
b) Write down the factors of 90
= 1, 2, 3, 5, 6, 9, 10, 15, 18, 30, 45, 90

- 2) a) What is 879 increased by 322?
= 1201
b) Subtract 157 from 605.
= 448

- 3) a) $-3 \times -4 \times -7$
= -84 b) $48 \div -8$
= -6

- 4) a) What number is 18 multiplied by 43?
= 774
b) What is 216 shared into 6 parts?
= 36

- 5) Write in figures the number two million, fifty nine thousand, nine hundred and nine
= 2 059 909

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