



Apply the order of operations with integers

- 1** Solve the equation with the negative integers
 $-117 \div 13 = ?$

A 6	B -6	C -9
D 9	E 12	F -12

- 2** What do the rules for Order of Operations tell us about how to solve this equation?
 $4 - 3 + 2 = ?$

- A Subtraction is highest priority
B All operations are the same priority, calculate left to right.
C Addition is highest priority

- 3** Subtract or Multiply

- A Subtract
B Left-To-Right
C Multiply

- 4** What would be a memory trick to help you remember the order of operations for math equations?

Order to Calculate:
1) Brackets
2) Exponents
3) Division and Multiplication
4) Addition and Subtraction

- | | | |
|---------------|---------------|---------------|
| A B.E.D.M.A.S | B E.S.D.A.M.B | C M.A.D.S.E.B |
| D E.M.D.A.B.S | E D.A.M.B.E.S | F D.A.B.S.E.M |

- 5** What do the rules for Order of Operations tell us about how to solve this equation?
 $9 \div 4^3 \times 5 = ?$

- A The exponent is highest priority
B Multiplication is highest priority
C Division is highest priority
D All operations are the same priority, calculate left to right.

- 6** What do the rules for Order of Operations tell us about how to solve this equation?
 $9 - 5^4 \div 6 = ?$

- A Subtraction is highest priority
B The exponent is highest priority
C All operations are the same priority, calculate left to right.
D Division is highest priority

- 7** Which operation should be done first in this equation?
 $9 \div 3^3 \times 2 = ?$

A 3^3	B $9 \div 3$
C 3×2	

- 8** Figure out the answer by using the correct order of operations
 $9 \times 5 + 12 \div 6 = ?$

A 53	B 25	C 56
D 50	E 45	F 47

**Apply the order of operations with integers****9**

Figure out the answer by using the correct order of operations

$$(9 - 5) \times 6 - 2 \times 7 = ?$$

A

196

B

280

C

17

D

10

E

8

F

476

10

Which operation should be done first in this equation?

$$9 - 3 + 7^2 = ?$$

A

$$3 + 7$$

B

$$9 - 3$$

C

$$7^2$$

11

Figure out the answer by using the correct order of operations

$$25 - 6 + 3^2 - 2 = ?$$

A

24

B

45

C

22

D

29

E

26

F

30

12

Figure out the answer by using the correct order of operations

$$9 + 2^2 \times 7 + 6 = ?$$

A

52

B

33

C

37

D

65

E

39

F

43

13

Figure out the answer by using the correct order of operations

$$8^2 + 35 \div 5 + 6 \times 4 = ?$$

A

96

B

98

C

909

D

265

E

95

F

101

14

Figure out the answer by using the correct order of operations

$$(73 - 5^2) \div 6 - 12 \div 4 = ?$$

A

3

B

4

C

10

D

13

E

5

F

7