

Name _____

Date _____



ORDER OF OPERATIONS 6.2

Work out the value of these expressions.

1) $4 + 7 \times 3 - 6$

2) $(7 + 11) \div 3 - 5$

3) $9 \times (8 - 5) + 6$

4) $6 - 2 \times 5 + 8$

5) $8 \times 5 \div 4 - 9$

6) $4 - 7 \times (5 - 3) + 6$

7) $30 - (10 - 8) \times (4 + 3)$

8) $4 \times 8 - 7 \times 6$

9) $\frac{1}{2} \times (12 + 6) - 4$

10) $8 \times (\frac{3}{4} + \frac{1}{4}) - 5$

11) $(5 + 4)^2$

12) $5^2 - (3 + 2)^2$

13) $\frac{1}{2} \times (23 - 9) + \frac{1}{4} \times (15 - 7)$

14) $18 \div (2^2 + 5)$

15) $(6^2 + 12) \div (3^2 - 1)$

16) $\frac{3}{4} \times (5 + 12 \div 4)$

17) $(3^2 - 7) \times (2^2 + 8)$

18) $7 \times 5 - 4 \times 6 + 3 \times 9$

19) $7 \times 4 \div 2 + 5 \times 3$

20) $(5^2 - 7) \div (4^2 + 2)$



ORDER OF OPERATIONS 6.2 ANSWERS

Work out the value of these expressions.

		Working Out	Answer
1)	$4 + 7 \times 3 - 6$	$= 4 + 21 - 6 = 19$	19
2)	$(7 + 11) \div 3 - 5$	$= 18 \div 3 - 5 = 6 - 5 = 1$	1
3)	$9 \times (8 - 5) + 6$	$= 9 \times 3 + 6 = 27 + 6 = 33$	33
4)	$6 - 2 \times 5 + 8$	$= 6 - 10 + 8 = 14 - 10 = 4$	4
5)	$8 \times 5 \div 4 - 9$	$= 40 \div 4 - 9 = 10 - 9 = 1$	1
6)	$4 - 7 \times (5 - 3) + 6$	$= 4 - 7 \times 2 + 6 = 4 - 14 + 6 = -4$	-4
7)	$30 - (10 - 8) \times (4 + 3)$	$= 30 - (2) \times (7) = 30 - 14 = 16$	16
8)	$4 \times 8 - 7 \times 6$	$= 32 - 42 = -10$	-10
9)	$\frac{1}{2} \times (12 + 6) - 4$	$= \frac{1}{2} \times (18) - 4 = 9 - 4 = 5$	5
10)	$8 \times (\frac{3}{4} + \frac{1}{4}) - 5$	$= 8 \times (1) - 5 = 8 - 5 = 3$	3
11)	$(5 + 4)^2$	$= 9^2 = 81$	81
12)	$5^2 - (3 + 2)^2$	$= 25 - (5)^2 = 25 - 25 = 0$	0
13)	$\frac{1}{2} \times (23 - 9) + \frac{1}{4} \times (15 - 7)$	$= \frac{1}{2} \times (14) + \frac{1}{4} \times (8) = 7 + 2 = 9$	9
14)	$18 \div (2^2 + 5)$	$= 18 \div (4 + 5) = 18 \div 9 = 2$	2
15)	$(6^2 + 12) \div (3^2 - 1)$	$= (36 + 12) \div (9 - 1) = 48 \div 8 = 6$	6
16)	$\frac{3}{4} \times (5 + 12 \div 4)$	$= \frac{3}{4} \times (5 + 3) = \frac{3}{4} \times (8) = 6$	6
17)	$(3^2 - 7) \times (2^2 + 8)$	$= (9 - 7) \times (4 + 8) = (2) \times (12) = 24$	24
18)	$7 \times 5 - 4 \times 6 + 3 \times 9$	$= 35 - 24 + 27 = 38$	38
19)	$7 \times 4 \div 2 + 5 \times 3$	$= 28 \div 2 + 15 = 14 + 15 = 29$	29
20)	$(5^2 - 7) \div (4^2 + 2)$	$= (25 - 7) \div (16 + 2) = 18 \div 18 = 1$	1

