#18

NAME Answers

DATE _____

PERIOD _____

PRE-ALGEBRA ACCELERATED
AFTER 3.6
A LITTLE BIT OF EVERYTHING

Evaluate the following.

(1) $54 \div 3 - 4 \cdot 2$ $18 - 8 =$ [10]	(2) $16 + 9 \cdot 14 - 60 \div 5$ $16 + 126 - 12$ [130]	(3) $27 \div 3 + 6 \cdot 5 - 2$ $9 + 30 - 2$ $39 - 2$ [37]
(4) $43 + 6 + 2 + 2(1.5)$ $43 + 3 + 3$ [49]	(5) $3.05 - 1.6 \cdot (0.25) \cdot 5 - 0.75$ $3.05 - 2 - 0.75$ [.3]	(6) $8(13 + 64) - 2(87 + 3)$ $8(77) - 2(29)$ $616 - 58$ [558] [calculator]
(7) $(5.06 - 2.7) \div 4 \cdot 5$ $2.36 \div 20$ [.118]	(8) $(7.016 + 3.45) \cdot (3 - 6)$ $10.466 \cdot -3$ [-31.398]	(9) $0.76(2.3 + 6.25) + 40 \div 25$ $.76(8.55) + 1.6$ $6.498 + 1.6$ [8.098]
(10) $[4^3 + 8(13 - 2)] - (2^2 \cdot 21)$ $64 + 8(11) - (4 \cdot 21)$ $64 + 88 - 84$ $152 - 84 =$ [68]	(11) $[6(17 + 3) - 5^2] \div 19$ $[6(20) - 25] \div 19$ $120 - 25$ $95 \div 19$ [5]	(12) $[9(4 + 3) + 7] - 30 \cdot 4$ $[9(7) + 7] - 120$ $63 + 7$ $70 - 120$ [-50]

13 $39 - [(6 \div 0.12 - 4.1) \div 3]$

$39 - [(50 - 4.1) \div 3]$

$39 - (45.9 \div 3)$

$39 - 15.3$

$\boxed{23.7}$

14 $82 + [6(13 - 4) + 12] - 9^2$

$82 + [6(9) \div 12] - 81$

$82 + [54 \div 12] - 81$

$82 + 4.5 - 81$

$\boxed{5.5}$

15 $[45 + (5 + 10) \cdot 2] - [(9 + 6) \div 3]$

$(45 \div 15 \cdot 2) - (15 \div 3)$

$6 - 5 = \boxed{1}$

16 $\dfrac{(1.31 - 0.29) \cdot 3}{0.6}$

$1.02 \cdot 3$

$\cdot 6$

$\dfrac{3.06}{.6} = \boxed{5.1}$

17 $4(16 - 2) + 36 + (6 + 3)$

$4(14) + 36 + 9$

$56 + 36 + 9$

$\boxed{101}$

18 $\{8[12(10 + 6) - 88] + 168\} \div 125$

$\{8[12(16) - 88] + 168\} \div 125$

$\{8[192 - 88] + 168\} \div 125$

$[8(104) + 168] \div 125$

$(832 + 168) \div 125$

Calculator $1000 \div 125 = \boxed{8}$

19 $15 + \{5 + [(12 \cdot 4) + (16 \cdot 3)] - 3\}$

$15 + \{5 + [48 + 48] - 3\}$

$15 + 5 + 96 - 3$

$\boxed{113}$

20 $\{[(16 + 7) \div 4] + 9\} \cdot [(41 + 14) \div 11 + 6]$

$[(23 \div 4) + 9] \cdot [(55) \div 11 + 6]$

$5.75 + 9$

$14.75 \cdot 11$

$\boxed{162.25}$

Calculator

21 Calculator

$[(7 + 3)(18 - 6)] \cdot \{[32 \div (5 + 3)] \div 20\}$

$(10 \cdot 12) \cdot [(32 \div 8) \div 20]$

$120 \cdot (4 \div 20)$

$120 \cdot (.2) =$

$\boxed{24}$

22 Calculator

$5\{[15(8^2 - 24) + 12]\} - 6^3$

$5[15(64 - 24) \div 12] - 216$

$5(15(20) \div 12] - 216$

$5(300 \div 12) - 216$

$5(25) - 216$

$125 - 216$

$\boxed{-91}$

23 $-7(26 + 16) \div 10 - 8 \cdot 2^3 - [(12 \cdot 4) \div 16] \cdot 0$

$-7(36) \div 10 - 8 \cdot 8 - [(48) \div 16] \cdot 0$

$-252 \div 10 - 64 - (3 \cdot 0)$

$-25.2 - 64 - 0$

$\boxed{-89.2}$

Calculator