

**Math 70 Skills Test Practice** (*Answers on back*)

▪ Multiplication and Division of Whole Numbers

- |                    |                   |
|--------------------|-------------------|
| 1. $124 \cdot 89$  | 4. $1598 \div 17$ |
| 2. $76 \cdot 48$   | 5. $3456 \div 8$  |
| 3. $252 \cdot 139$ | 6. $2856 \div 21$ |

▪ Arithmetic of Fractions

- |                                      |                                   |
|--------------------------------------|-----------------------------------|
| 1. $\frac{1}{2} \cdot \frac{3}{4}$   | 11. $\frac{3}{4} + \frac{1}{20}$  |
| 2. $-\frac{2}{3} \cdot \frac{3}{4}$  | 12. $\frac{2}{3} + \frac{3}{7}$   |
| 3. $\frac{7}{10} \cdot \frac{5}{21}$ | 13. $-\frac{3}{4} + \frac{1}{6}$  |
| 4. $\frac{3}{35} \cdot \frac{10}{9}$ | 14. $\frac{5}{22} + \frac{5}{33}$ |
| 5. $6 \cdot \frac{3}{4}$             | 15. $\frac{2}{3} + 5$             |
| 6. $\frac{3}{4} \div \frac{1}{20}$   | 16. $\frac{3}{4} - \frac{9}{20}$  |
| 7. $\frac{1}{2} \div \frac{7}{12}$   | 17. $\frac{4}{15} - \frac{1}{12}$ |
| 8. $-3 \div \frac{2}{9}$             | 18. $-\frac{3}{4} - \frac{1}{4}$  |
| 9. $\frac{3}{8} \div 2$              | 19. $\frac{7}{15} - \frac{7}{25}$ |
| 10. $\frac{3}{2} \div \frac{5}{6}$   | 20. $2 - \frac{3}{8}$             |

▪ Arithmetic of signed numbers

- |                  |                     |
|------------------|---------------------|
| 1. $-19 + (-23)$ | 7. $-6 \cdot 4$     |
| 2. $-19 + 8$     | 8. $8 \cdot (-23)$  |
| 3. $18 + (-6)$   | 9. $-9 \cdot (-5)$  |
| 4. $-19 - 15$    | 10. $-6 \div 4$     |
| 5. $-9 - (-21)$  | 11. $32 \div (-2)$  |
| 6. $7 - (-18)$   | 12. $-63 \div (-7)$ |

▪ Order of Operations

- |                            |  |
|----------------------------|--|
| 1. $-9 - (-7) + 4 - 6$     | 7. $5 + 6 \cdot 2$                         |
| 2. $6(5 + 2(3 - 8)) - 3$   | 8. $3 \cdot 4^2 - 8$                       |
| 3. $11 - 20 + (-3)(2 - 6)$ | 9. $8(-1)^2 - 3 \cdot 6 + 1$               |
| 4. $24 - 6(14 - 11)$       | 10. $\frac{3 + 6(5 - 8)}{4^2 - 3 \cdot 2}$ |
| 5. $-9 + 3^2 + (-2 - 9)$   |  |
| 6. $-6 + 2(-3 + 7 - 15)$   |  |

## Math 70 Skills Test Practice (Answers)

### ▪ Multiplication and Division of Whole Numbers

1.  $124 \cdot 89 = 11036$
2.  $76 \cdot 48 = 3648$
3.  $252 \cdot 139 = 35028$
4.  $1598 \div 17 = 94$
5.  $3456 \div 8 = 432$
6.  $2856 \div 21 = 136$

### ▪ Arithmetic of Fractions

1.  $\frac{1}{2} \cdot \frac{3}{4} = \frac{3}{8}$
2.  $-\frac{2}{3} \cdot \frac{3}{4} = -\frac{1}{2}$
3.  $\frac{7}{10} \cdot \frac{5}{21} = \frac{1}{6}$
4.  $\frac{3}{35} \cdot \frac{10}{9} = \frac{2}{21}$
5.  $6 \cdot \frac{3}{4} = \frac{9}{2}$
6.  $\frac{3}{4} \div \frac{1}{20} = 15$
7.  $\frac{1}{2} \div \frac{7}{12} = \frac{6}{7}$
8.  $-3 \div \frac{2}{9} = -\frac{27}{2}$
9.  $\frac{3}{8} \div 2 = \frac{3}{16}$
10.  $\frac{3}{2} \div \frac{5}{6} = \frac{9}{5}$
11.  $\frac{3}{4} + \frac{1}{20} = \frac{4}{5}$
12.  $\frac{2}{3} + \frac{3}{7} = \frac{23}{21}$
13.  $-\frac{3}{4} + \frac{1}{6} = -\frac{7}{12}$
14.  $\frac{5}{22} + \frac{5}{33} = \frac{25}{66}$
15.  $\frac{2}{3} + 5 = \frac{17}{3}$
16.  $\frac{3}{4} - \frac{9}{20} = \frac{3}{10}$
17.  $\frac{4}{15} - \frac{1}{12} = \frac{11}{60}$
18.  $-\frac{3}{4} - \frac{1}{4} = -1$
19.  $\frac{7}{15} - \frac{7}{25} = \frac{14}{75}$
20.  $2 - \frac{3}{8} = \frac{13}{8}$

### ▪ Arithmetic of signed numbers

1.  $-19 + (-23) = -42$
2.  $-19 + 8 = -11$
3.  $18 + (-6) = 12$
4.  $-19 - 15 = -34$
5.  $-9 - (-21) = 12$
6.  $7 - (-18) = 25$
7.  $-6 \cdot 4 = -24$
8.  $8 \cdot (-23) = -184$
9.  $-9 \cdot (-5) = 45$
10.  $-6 \div 4 = -\frac{3}{2}$
11.  $32 \div (-2) = -16$
12.  $-63 \div (-7) = 9$

### ▪ Order of Operations

1.  $-9 - (-7) + 4 - 6 = -4$
2.  $6(5 + 2(3 - 8)) - 3 = -33$
3.  $11 - 20 + (-3)(2 - 6) = 3$
4.  $24 - 6(14 - 11) = 6$
5.  $-9 + 3^2 + (-2 - 9) = -11$
6.  $-6 + 2(-3 + 7 - 15) = -28$
7.  $5 + 6 \cdot 2 = 17$
8.  $3 \cdot 4^2 - 8 = 40$
9.  $8(-1)^2 - 3 \cdot 6 + 1 = -9$
10.  $\frac{3 + 6(5 - 8)}{4^2 - 3 \cdot 2} = -\frac{3}{2}$