



Name _____ Date _____

1. 20% of 80
2. 15 is what % of 20?
3. 4 is 25% of what number?
4. $\frac{4}{9} = \frac{\quad}{18}$
5. $\frac{24}{30} = \frac{\quad}{10}$
6. $\frac{12}{10} = \frac{\quad}{15}$



Name _____ Date _____

1. $3 + (-8) = \underline{\quad}$
2. $-2 + 7 = \underline{\quad}$
3. $-6 + (-1) = \underline{\quad}$
4. $5 - (-3) = \underline{\quad}$
5. $-10 - (-7) = \underline{\quad}$
6. $23 - 29 = \underline{\quad}$
7. $(-3)(-4) = \underline{\quad}$
8. $(10)(-5) = \underline{\quad}$
9. $(-8)(2) = \underline{\quad}$
10. $(5)(-3)(0) = \underline{\quad}$
11. $6^2 = \underline{\quad}$
12. $(-2)^2 = \underline{\quad}$
13. $\frac{-15}{3} = \underline{\quad}$
14. $\frac{28}{-4} = \underline{\quad}$
15. $\frac{-21}{-7} = \underline{\quad}$



Name _____ Date _____

1. $8^2 = \underline{\quad}$
2. $3^2 = \underline{\quad}$
3. $5^3 = \underline{\quad}$
4. $10^2 = \underline{\quad}$
5. $4^3 = \underline{\quad}$
6. $1^5 = \underline{\quad}$
7. $20^2 = \underline{\quad}$
8. $2^5 = \underline{\quad}$
9. $13^2 = \underline{\quad}$
10. $0^2 = \underline{\quad}$



Name _____ Date _____

1. $-3x + 8x$
2. $3a^2 + 2a^2 + a^2$
3. $4x + 3y - 2x + x$
4. $xy - 6y + 8xy + 7y$
5. $-c^2 + 3c^2 + c^2d$
6. $5n + 4n - 7n + n$
7. $z^2 + 5z - 2z + 11$
8. $a^2 + 4a - 4a - 16$
9. $p^2 + 6p + 6p + 36$



Speed Check 55

Name _____ Date _____

1. $\frac{7\frac{2}{3}}{3\frac{1}{4}}$

2. $\frac{63}{-9}$

3. $3.58\overline{)223.4994}$

4. $10.9\overline{)1,060.897}$

5. $9.005\overline{)6,204.445}$



Speed Check 56

Name _____ Date _____

+	24	19	52	75	63	8	31	90	26	12
11										
9										
15										
7										
10										



Speed Check 57

Name _____ Date _____

1. $\begin{array}{r} 5,432 \\ 6,795 \\ + 2,085 \end{array}$

2. $\begin{array}{r} 5,614 \\ - 1,927 \end{array}$

3. $\begin{array}{r} 354 \\ \times 163 \end{array}$

4. $83\overline{)1,245}$

5. $\begin{array}{r} 90,436 \\ - 19,783 \end{array}$

6. $\begin{array}{r} 7\frac{7}{8} \\ + 6\frac{1}{2} \end{array}$

7. $\begin{array}{r} 11\frac{1}{9} \\ - 7\frac{2}{3} \end{array}$

8. $\frac{6}{11} \times 1\frac{1}{2}$

9. $3\frac{1}{3} \div \frac{5}{7}$

10. $6.52\overline{)2.20376}$

50 Speed Check 62

Name _____ Date _____

- $(-2)(-5)(-1)$
- $(-4)(10)(-1)$
- $(8)(-2)(-3)$
- $(-1)(-1)(-1)$
- $(5)(-5)(0)(3)$
- $(2)(-7)(1)(-6)$
- $\frac{-26}{13}$
- $\frac{-60}{-12}$
- $\frac{88}{-11}$
- 11^2
- $(-11)^2$
- -11^2

50 Speed Check 63

Name _____ Date _____

- $\sqrt{81} = \underline{\hspace{1cm}}$
- $\sqrt{\hspace{1cm}} = 12$
- $\sqrt{49} = \underline{\hspace{1cm}}$
- $\sqrt{\hspace{1cm}} = 8$
- $\sqrt{169} = \underline{\hspace{1cm}}$
- $\sqrt{25} = \underline{\hspace{1cm}}$
- $\sqrt{\hspace{1cm}} = 10$
- $\sqrt[3]{27} = \underline{\hspace{1cm}}$
- $\sqrt[4]{\hspace{1cm}} = 2$
- $\sqrt[3]{64} = \underline{\hspace{1cm}}$
- $\sqrt{\hspace{1cm}} = x$
- $\sqrt[6]{p^6} = \underline{\hspace{1cm}}$

50 Speed Check 64

Name _____ Date _____

- $a + 5 = 7$
- $x - 11 = 2$
- $5g = 100$
- $\frac{1}{3}p = 8$
- $y + 4 = 8(2)$
- $\frac{5}{2}n = 20$

50 Speed Check 65

Name _____ Date _____

- $m - 7 > 10$
- $k + 21 \neq 6$
- $7r \geq -42$
- $\frac{2}{3}h \leq 10$
- $-9w < 27$
- $x + 13 > -2$



Speed Check 66

Name _____ Date _____

1. $-9 + (-3) =$ _____

2. $8 + (-4) =$ _____

3. $-2 - 21 =$ _____

4. $-10 - (-2) =$ _____

5. $14 - (-6) =$ _____

6. $8 - 19 =$ _____

7. $(-4)(-8) =$ _____

8. $(-7)(0)(-5) =$ _____

9. $8^2 =$ _____

10. $(-8)^2 =$ _____

11. $\frac{-64}{64} =$ _____

12. $\frac{-33}{-3} =$ _____



Speed Check 67

Name _____ Date _____

1. $x^2 \cdot x^4$

2. $(y^5)(y^7)$

3. $(n^3)(n)(n^2)$

4. $a^8 + a^2$

5. $\frac{w^9}{w}$

6. $\frac{u^5}{u^7}$

7. $(b^9)(b^4)(b)$

8. $\frac{z^2}{z^{10}}$

9. $\frac{r^{12}}{r^5}$



Speed Check 68

Name _____ Date _____

1. $(3y^2)(4y)$

2. $(-7a)(-2b)$

3. $(2x^2)(x^4)(4x^5)$

4. $\frac{24v^5}{6v}$

5. $\frac{18x^4}{16x^3}$

6. $\frac{32d^6}{8d^{11}}$



Speed Check 69

Name _____ Date _____

Write the shape for which each formula is used.

1. $A = \frac{1}{2}bh$

2. $V = lwh$

3. $SA = 2\pi rh + 2\pi r^2$

4. $V = e^3$

5. $A = \frac{1}{2}h(b_1 + b_2)$

6. $V = \frac{4}{3}\pi r^3$

7. $P = 2l + 2w$

8. $C = \pi d$

9. $LA = 2wh + 2lh$