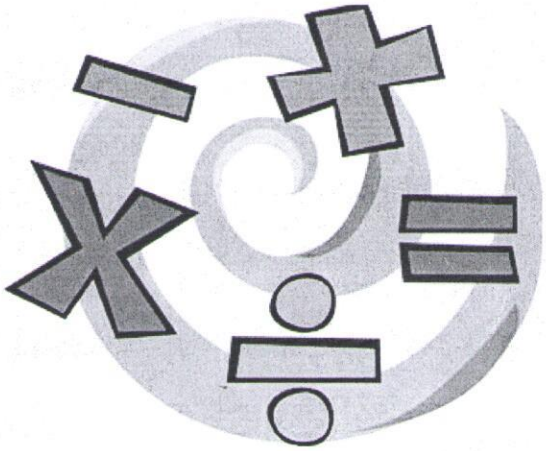
DASMAN دسمان
BILINGUAL SCHOOL مدرسة ثنائية اللغة



Math

Summer Bridge Packet

Grade 7

Name: _____

3-Digit by 2-Digit Multiplication (B)

Name: _____ Date: _____

Calculate each product.

982 × 75	925 × 53	905 × 32	371 × 82	937 × 96
238 × 62	510 × 51	547 × 37	944 × 66	488 × 87
132 × 34	407 × 89	139 × 45	452 × 79	633 × 59
387 × 74	574 × 11	364 × 63	643 × 56	936 × 18

Score: /20

Division (A)

Find each quotient.

$4\overline{)236}$	$5\overline{)165}$	$7\overline{)518}$	$6\overline{)516}$	$8\overline{)448}$
$8\overline{)720}$	$8\overline{)304}$	$9\overline{)774}$	$3\overline{)162}$	$5\overline{)285}$
$4\overline{)244}$	$9\overline{)765}$	$8\overline{)480}$	$8\overline{)192}$	$2\overline{)76}$
$6\overline{)312}$	$8\overline{)544}$	$5\overline{)50}$	$7\overline{)427}$	$4\overline{)108}$

Name : _____ Score : _____

Teacher : _____ Date : _____

$65\overline{)598}$ $24\overline{)126}$ $25\overline{)100}$

$45\overline{)3285}$ $25\overline{)130}$ $12\overline{)954}$

$95\overline{)7239}$ $84\overline{)189}$ $43\overline{)344}$

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Decimals Workshe

Order of Operations (A)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$(10 + 2 - 5) \times (6^2 \div (8 - 4))$

$10 + 8 - 6^2 \div (3^2 \times 4)$

$8 \div (10 - 9)^3 \times 7 + 4^2$

$(10 \times (6 + 4)) \div (2^3 - 7)^2$

$(8 + 5^2) \times \left((9 - 7)^2 \div 2\right)$

$(3 + 9) \div 6 - 2 \times 8 \div 4^2$

Name : _____ Score : _____

Teacher : _____ Date : _____

80.16 x 100	48.75 x 10	34.89 x 1000	40.38 x 100
24.55 x 1000	87.89 x 100	79.57 x 1000	40.74 x 10
23.62 x 100	63.79 x 10	43.42 x 10	53.96 x 1000

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Decimals Worksheets

Name : _____ Score : _____

Teacher : _____ Date : _____

6.9 x 2.3	5.5 x 6.3	5.7 x 9.8	5.4 x 2.4	4.8 x 6.6
3.2 x 1.4	5.6 x 2.6	1.8 x 8.3	4.6 x 4.8	6.4 x 7.3
7.2 x 4.8	9.9 x 3.2	2.4 x 3.7	3.9 x 1.1	1.5 x 9.3
1.4 x 1.4	6.6 x 6.5	6.5 x 8.2	6.8 x 1.3	6.9 x 9.8
4.6 x 5.9	1.3 x 4.3	3.6 x 2.9	2.2 x 3.5	1.4 x 7.4

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Decimals Worksheets

Name : _____ Score : _____

Teacher : _____ Date : _____

Solve each division problem.

$3\overline{)3.96}$ $6\overline{)5.16}$ $7\overline{)7.91}$

$6\overline{)8.22}$ $9\overline{)3.24}$ $3\overline{)9.60}$

$9\overline{)1.44}$ $2\overline{)8.26}$ $8\overline{)9.28}$

$7\overline{)1.05}$ $8\overline{)5.68}$ $4\overline{)8.20}$

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Division Worksheets

Converting Fractions to Decimals (B)

Name: _____ Date: _____

Convert each fraction to a decimal.

$\frac{13}{20} =$

$\frac{3}{5} =$

$\frac{1}{10} =$

$\frac{2}{4} =$

$\frac{2}{20} =$

$\frac{5}{8} =$

$\frac{12}{20} =$

$\frac{19}{20} =$

$\frac{4}{10} =$

$\frac{6}{10} =$

$\frac{9}{10} =$

$\frac{3}{4} =$

$\frac{9}{20} =$

$\frac{18}{20} =$

$\frac{7}{20} =$

$\frac{6}{12} =$

$\frac{4}{8} =$

$\frac{5}{20} =$

$\frac{16}{20} =$

$\frac{2}{10} =$

All Operations with Integers (B)

Use an integer strategy to find each answer.

$(-9) \times 2 =$	$(-12) + (-9) =$	$(-9) + 12 =$
$(-2) - (-8) =$	$4 \times 7 =$	$11 \times 8 =$
$6 - (-4) =$	$9 - 10 =$	$5 - (-10) =$
$6 \times 3 =$	$(-12) - (-1) =$	$2 - (-7) =$
$(-72) \div 6 =$	$(-9) \div (-3) =$	$9 - 2 =$
$9 - (-5) =$	$(-108) \div (-9) =$	$(-4) \times (-8) =$
$20 \div (-4) =$	$7 - 10 =$	$8 \times 4 =$
$(-6) - (-11) =$	$27 \div 9 =$	$11 + 1 =$
$9 - 10 =$	$10 - 2 =$	$1 + 3 =$
$(-6) \times 11 =$	$(-1) \times 6 =$	$4 - 11 =$

All Operations with Integers (A)

Use an integer strategy to find each answer.

$8 + 10 =$	$10 + 9 =$	$2 - 5 =$
$7 + (-8) =$	$16 \div (-4) =$	$9 - (-11) =$
$7 + 6 =$	$8 \times (-10) =$	$4 - (-6) =$
$(-3) + 11 =$	$(-2) + 5 =$	$20 \div (-2) =$
$(-8) \times 4 =$	$(-9) \times 6 =$	$(-1) \times (-10) =$
$3 + (-11) =$	$1 \times (-7) =$	$1 - (-9) =$
$(-8) \times (-4) =$	$(-7) \times (-3) =$	$8 + (-2) =$
$35 \div 5 =$	$7 - 6 =$	$5 - (-3) =$
$(-7) - 7 =$	$9 - 8 =$	$3 - (-6) =$
$2 \times 8 =$	$4 - 10 =$	$(-11) + 4 =$

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Subject: Math
Unit: Number Concepts
Lesson: One

Order of Operations with Integers Worksheet

Circle the part of the expression that you would complete first.

1. $-4 \times 32 + 6$
2. $3 \times (-2)^3 \div 6$
3. $(6 + 2) - 15 \div 5 \times 2$
4. $4(13 - 6)$
5. $8 - 4(2 + 5^2) \div 12$

Simplify.

6. $42 \div 6 + 5$
7. $64 \div 4(2 - 6)$
8. $4(-12 + 6) \div 3$
9. $-12^2 \div 4 - 3 \times 2^4$
10. $6 \times 8 - (4^2 + 2) + 72 \div 8$

Thank-you to our supporters!

Find the answer.

1. 5 – 9 =
2. -6 + 4 + (-11) =
3. 4 x -6 =
4. -32 ÷ 8 =
5. -4 + (- 11) =
6. 2 – 6 =
7. -6 x (-8) =
8. 144 ÷ (-12) =
9. -6 – (-8) =
10. 6 + (-12) + (-4) =
11. -7 x 12 =
12. -96 ÷ (-3) =
13. 4 – (-18) =
14. -6 + (-2) + 7 =
15. 13 x (-4) =
16. 245 ÷ (-5) =
17. -5 – (-14) =
18. -9 + 11 + (-5) =
19. -23 x (-11) =
20. -198 ÷ 6 =
21. 17 + (-15) + (-3) =
22. 9 – 11 =
23. -12 x 9 =
24. -156 ÷ (-3) =
25. -13 + (-4) + 12 =
26. 9 – (-22) =
27. -16 x (-8) =
28. 49 ÷ (-7) =
29. 12 + (-13) + 4 =
30. 6 – 13 =

Compare. Use <, > or = .

1. -4 ◯ 11
2. -5 ◯ -9
3. 0 ◯ 7
4. 12 ◯ -22
5. 7 ◯ -3
6. -7 ◯ -3
7. -8 ◯ 0
8. -11 ◯ -12
9. 3 ◯ -3
10. -4 ◯ -4
11. -18 ◯ -7
12. -6 ◯ -2
13. 19 ◯ -5
14. -7 ◯ -10
15. -5 ◯ -8

Evaluate each expression.

1. | -4| =
2. | 9 | =
3. | 8 + 0 | =
4. | -5| + 4 =
5. | -12| – | -9| =
6. |13| + |- 12| =
7. 7 + |- 11| + |-6| =
8. |10| – |-8| =
9. |-4| + |-8| =
10. |3| + |-12| – |-5| =
11. |-14| =
12. |17| =
13. |-4| + 11 =
14. |6 – 4| =
15. |12 + 5| =

Evaluate each expression if x = -2, y = 5, z = -8.

1. -12 – y =
2. -6xy =
3. z + x =
4. xz ÷ (-6) =
5. z – x
6. 2z + 2x =
7. 9zx =
8. z ÷ x =
9. 3x – 2z + y =
10. 6y ÷ x =
11. 11z =
12. xy + z =
13. 7z ÷ (-z)=
14. -x. z + y=
15. yz ÷ (-4) =

Simplify each expression.

1. 3.a.(-5) =
2. –j.(-3).11d =
3. -11m(-5) =
4. -6(-h)(-k) =
5. -5s.(-7).h =
6. 5t.(4y).(-3) =
7. 4(-12e) =
8. -8(-9p) =
9. 7(-12y) =
10. -5r . 15y =

Student Name: _____ Score:

One-Step Equations – Addition and Subtraction

Solve the one-step equations:

$m - 21 = 36$	$s + 14 = 30$
$z + 9 = -27$	$k - 17 = -12$
$y - 13 = -20$	$v + 6 = 24$
$a + 15 = -8$	$b - 10 = 18$

Student Name: _____ Score:

One-Step Equations – Multiplication and Division

Solve the one-step equations:

$\frac{h}{7} = 15$	$9m = -108$
$16g = 192$	$\frac{y}{11} = -17$
$\frac{f}{-14} = 13$	$-8s = 104$
$-6p = -126$	$\frac{d}{-4} = -22$

Name: _____ **Period:**_____

Pre-Algebra
Multi-Step Equations

Solve each equation. SHOW ALL YOUR WORK.

1) $y - 13 = 17$

2) $-5x = 35$

3) $\frac{x}{5} = 11$

4) $3x - 2 = 19$

5) $\frac{x}{4} + 10 = 5$

6) $3x + 7 = 1$

7. $5 = -2x + 7$

8. $25a - 10 = -110$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

Solving Equations with Grouping Symbols

Name _____

Solve each equation. Check your solution.	
a) $2x + 3 + 3x = x+11$	f) $2(3x+1) = x+22$
b) $x + 2 + 2x = x + 12$	g) $2(2x+3) = 3x+9$
c) $4x + 2x = x + x + 20$	h) $5x-2x+8 = 2x+1+2x$
d) $2(x + 5) =11+ x$	i) $4x-2x+3 = 2x+2x-x$

Name : _____ Score : _____

Two-Step Equations: Integers

Sheet 1

Solve each equation.

1) $5n + 5 = 45$

2) $\frac{y}{6} - 3 = -11$

3) $4(g - 1) = 24$

4) $\frac{v + 9}{15} = 0$

5) $-40 = 12x + 8$

6) $-2p - 3 = -19$

7) $13 = \frac{w - 14}{2}$

8) $36 = 1 + 7a$

9) $-9 = -11 + \frac{b}{8}$

10) $2q + 10 = 7q$

Name : _____ Score : _____

Teacher : _____ Date : _____

Solve the Equations

Round your answers to the nearest hundredth if needed.

1) $7 - 9(1 - 4z) = -16$

2) $-18 = -7(9c + 5)$

3) $-28 - 9s = -7(5s + 4)$

4) $-9(7 + 6h) = -25$

5) $9y + 7 - 4 = 27$

6) $7(1 + 5d) = -21$

7) $-6n - 5 + 3n = -22$

8) $-8(6a + 5) = -22 + 7a$

9) $-32 = -7 + 8(b - 6)$

10) $-21 = -6r - 7r$

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EQUATION STORIES and SOLUTIONS

Name_____

Problem	Equation and solution
If Sam earns 4$ more, he'll have $52.	
Penny has some money. After she pays $5 for her new kitten, she will have $27. How much money does she have now?	
Kristy's Dad makes 3 times as much per hour as she does. If he makes $48 per hour, how much per hour does Kristy make?	
Some friends made $48 selling lemonade. If each friend makes $12, how many friends divided the money?	

Name : _____ Score : _____

Teacher : _____ Date : _____

Word Problems

1) Tim bought 4 new baseball trading cards to add to his collection. The next day his dog ate half of his collection. There are now only 25 cards left. How many cards did Tim start with ? _____

2) The sum of three consecutive numbers is 108. What is the smallest of the three numbers ? _____

3) The sum of three consecutive odd numbers is 93. What is the smallest of the three numbers ? _____

4) Benny sold half of his comic books and then bought 8 more. He now has 17. How many did he begin with ? _____

5) The sum of three consecutive even numbers is 180. What is the smallest of the three numbers ? _____

6) On Monday, 377 students went on a trip to the zoo. All 8 buses were filled and 9 students had to travel in cars. How many students were in each bus ? _____

7) Fred had 100 dollars to spend on 7 books. After buying them he had 16 dollars. How much did each book cost ? _____

8) Tom bought a soft drink for 4 dollars and 9 candy bars. He spent a total of 22 dollars. How much did each candy bar cost ? _____

9) Oceanside Bike Rental Shop charges a 16 dollar fixed fee plus 8 dollars an hour for renting a bike. Sara paid 56 dollars to rent a bike. How many hours did she pay to have the bike checked out ? _____

10) Mary spent half of her allowance going to the movies. She washed the family car and earned 6 dollars. What is her weekly allowance if she ended with 18 dollars ? _____