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6

Diamond Math Problems Name: _ Date: Complete the diamond problems. The top cell contains the product of the numbers in the left and right cells, while the bottom cell contains the sum. (1) (2) (3) (4) 11 11 11 5 10 8 5 (5) (6) (8) (7) 6 5 3 (9) (10)(11)(12)10 2 10 10 (14)(13)(15)(16)7 2 2 10 6 (18)(17)(19)(20)8 1 11 10 2 11 6 (22)(21)(23)(24)11 8 2 12 4 (25)(26)(27)(28)

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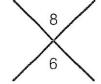


Diamond Math Problems

Name: Date:

Complete the diamond problems. The top cell contains the product of the numbers in the left and right cells, while the bottom cell contains the sum.

(1)



(2)



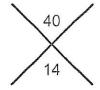
(3)



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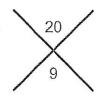
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19

(6)



(7)



(8)



(9)



(10)



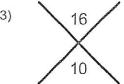
(11)



(12)



(13)



(14)

	63	/
	\times	
/	16	/

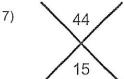
(15)



(16)

/		8	/
	/	°/	
	/	6	\
/		6	/

(17)



(18)

/	80	/
	\times	
	18	/

(19)



(20)



(21)



(22)

/	28	/
`	Š	
/	11	/

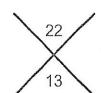
(23)



(24)

/	18	/
,	X	
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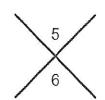
(25)



(26)

/	40	/
	\times	
/	13	/

(27)



(28)

/	60	/
`	Ÿ	
/	17	/

Drops in the Bucket - Math Level D

Number 29

Name _____

Score _____

CONTRACTOR CONTRACTOR AND CONTRACTOR			Companies of the second	V6104-11-11-11-11-11-11-11-11-11-11-11-11-11	
Basic Facts		12 – 6 = 15 – 8 = 9 – 5 =		7 x 6 = 9 x 7 = 0 x 0 =	32 ÷ 4 = 24 ÷ 6 = 28 ÷ 7 =
Algorithms	\$3096.00 + 435.00	60,502 <u>- 1,834</u>	\$82.00 x <u>3</u>	7)7000	4 lbs 12 oz + 7 oz
Estimating Rounding	\$19 + 19	d to the neares .95 ≈ dollar .99 ≈ dollar bout dollar	s s		≈ dollars ≈ dollars
Story Problems	He put fifty of savings accordings accordings accordings according to the same of \$245.81,	neck was \$603.5 dollars into the ount, then paid \$56.20, and \$1 of his pay was le	bills 15.30.		
Equivalent Fractions		=		de numerator and to get an equiver $\frac{3}{12}$	ž.
Vocabulary Concepts Facts	Know and Spell less greater equivalent discount dozen total A. Two-thirds is than one-third. B. How many feet in a mile? C. If you get a discount, you pay (less, more). D. How many eggs in half a dozen? E. How hot must water get to boil?°F or°C				
Fractional Parts	$\frac{1}{9}$ of 54	$\frac{1}{4}$ of 36	$\frac{1}{2}$ of 8	$\frac{1}{6}$ of 30	$\frac{1}{3}$ of 27
Place Value Numeration	A. What is ten thousand more than 926,071? B. Write sixty-four thousand, seventeen C. Write expanded notation. 16,068 = D. Write a 5-digit number with a 1 in the ten-thousands place E. Write the largest 6-digit number				
Other Important Topics	A. Which two shapes (A-F) have no right angles? B. A square always has right angles. C. A rectangle always has 4 angles. D. Which triangle has a right angle, C or D? E. A trapezoid can have zero or right angles.				
Rulers				D is at C 9	Put E at 10 ½. ↓D 1

Drops in the Bucket - Math Level D Name

Number 28

Score ____

				COLOR STATE	
	4 + 4 =	12 – 8 =	6 x 4 =	7 x 9 =	42 ÷ 6 =
Basic	3 + 9 =	5 – 0 =	4 x 6 =	6 x 3 =	20 ÷ 4 =
Facts	6 + 9 =	10 – 9 =	3 x 9 =	1 x 6 =	56 ÷ 8 =
	36,900	7,364	\$6.20	0 140	6 hrs 10 min
	+ 4,489	- 2,925	_ x 4	8)49	- 3 hrs 45 min
Algorithms					
	Rou	nd to the neares	t ten dollars.	then estimate th	e answer.
Estimating	\$44	1.44 ≈ dollaı	rs	\$58.00	≈ dollars
Rounding		2.89 ≈ dollaı about dollar		– 6.25 Difference is abo	≈dollars
	1014113	about dollar). L	office is about	ut dollars.
		ade 16 blue pot	1) 1) // ((,		
Story		d half that many . How many pot	Au		
Problems	_	she make in all	1. The state of th		
5				vide numerator a	SAC OF REPORT OF SAME AND
Equivalent			by	2 to get an equiv	/alent fraction.
Fractions				\frac{2}{8} =	
	Know and Spel	A. Which is t	he greatest:	1/2, 1/3, 1/4, or 1	/100?
Vacabulani	leap year discount	The second second second	·	ear? in lea	
Vocabulary Concepts	change odd - even			the cost, and you	
Facts	pair - dozen Fahrenheit			you get one steam at 212°	e extra, or 13.
	Tamomon				
	$\frac{1}{6}$ of 54	$\frac{1}{2}$ of 12	$\frac{1}{5}$ of 4	5 $\frac{1}{4}$ of 32	$\frac{1}{3}$ of 6
Fractional Parts	O .	2	3	4	.
Parts	Λ \Λ/Is a t is	to a the consequent	H 700	5040	
				5,594?	A CONTRACTOR OF THE PARTY OF TH
Place Value	20	panded notation			
Numeration	D. Martin and all all and an all an all an all and an all an all and an all a				
	E. Arrange	2, 7, 3, and 6 to	make the s	mallest number.	
	6 feet			l is the distance _	
Other	B. The perimeter of the pool is 6 + 6 + 6 + 6, or feet.				
Important	C. A quick way to find the perimeter is x = feet. D. If each side were 8 feet, the perimeter would be				
Topics				the perimeter would	
	A is at			D is at	Put E at $54\frac{1}{4}$.
	JA	↓B	<u> </u>	C	↓D
Rulers		' ' ' ' ' ' ' ' ' ' '	1		
	50	51	52	53	54

Box-and-Whisker Plots

A **box-and-whisker plot** shows the distribution of data. You need five values to make a box-and-whisker plot.

- The minimum is the least value of the data.
- The maximum is the greatest value of the data.
- The median is the middle value of the data or the mean of the two middle values.
- The **lower quartile** is the median of the lower half of the data.
- The **upper quartile** is the median of the upper half of the data.

EXAMPLE

Use the data to make a box-and-whisker plot.

58, 60, 47, 56, 32, 78, 44, 72, 42, 35, 66

Order from least to greatest.

32, 35, 42, 44, 47, 56, 58, 60, 66, 72, 78

Find the minimum.

32) 35, 42, 44, 47, 56, 58, 60, 66, 72, 78

Find the maximum.

32, 35, 42, 44, 47, 56, 58, 60, 66, 72, 78

Find the median.

32, 35, 42, 44, 47, 56, 58, 60, 66, 72, 78

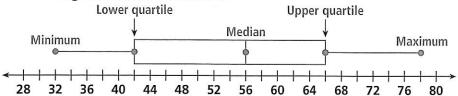
Find the lower quartile.

32, 35, 42, 44, 47, 56, 58, 60, 66, 72, 78

Find the upper quartile.

32, 35, 42, 44, 47, 56, 58, 60, 66, 72, 78

- **Step 1:** Place a dot at the median, upper quartile, and lower quartile. Make a box connecting these points.
- Step 2: Place a dot at the minimum and maximum.
- **Step 3:** Connect the minimum and the maximum to the box with segments called whiskers.



PRACTICE

Use the data to make a box-and-whisker plot.

1. 8, 6, 5, 4, 12, 9, 2

- **2.** 56, 61, 45, 55, 63, 59, 46
- **3.** 28, 12, 35, 22, 13, 33, 33, 17, 18, 22, 25
- **4.** 78, 85, 68, 57, 72, 63, 79, 60, 66, 52, 78