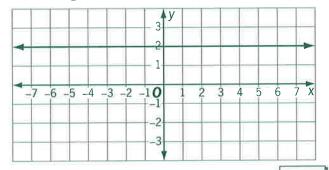
				4"								
1.	[+ Whole	Number	's to 10]									
		9	-24	8	26	13	7	81	2	10	-15	MATH'S MATE
	+8	2										
2.	[– Whole	Number	s to 101		1							CR
		74	1	45	12	-9	7	30	13	8	-26	GREEN
	- 6											Tawa 4 Ol 1 1
3.	[× Whole	Number	s to 121									Term 4 - Sheet 1
		7	11	5	3	6	-4	9	12	10	8	Name:
	× 4						-		12	10		Due Date://
4.	[÷ Whole I	Numbor	o to 101									Parent's Signature:
**	(+ Whole)	36	54	81	108	63	72	45	-27	9	90	QUOTE OF THE WEEK
	÷ 9	50		01	100	0.5	12	TJ	-21	7	90	The wise man knows that he knows nothing; the fool believes he knows everything. Rossiter
5 .			1 10	-	-14	2						
J.	[Large Nu		-		12			/ Fractio ete the			18.	[········[····························
	923 + 4	-05 +	312 =		1			Fracti		ercent	1	Express 27 as a product of its prime factors using
	AC.							Trace	1011	rcent		exponential notation.
6 .	[Large Nur	mber ×,-	÷] *		_h		0.03				<u>.</u>	27 =
	142×1	20 =			13	3 . [Int	egers]		r		h	
_			-			8	× (-9)) =			19.	[Number Patterns] *
7 .	[Decimal +	_			14		ites / Ra	-	2			Find the 13th term in the
	37.85 +	5 + 0).9 =		1		_	ng rea iture f				pattern: 18, 17, 16, 15, 14,
						gr	eater 1	than tl	he sun	's		-1,11,10,10,11,
8.	[Decimal ×	,÷] *	0150					Find s surfa			f	
	0.08×0					lig	htnin	g			20.	[Expressions]
		2.				tei	npera	ture.				Simplify
9.	[Fraction +	,-] *			_ 15	5 . [Ex	ponents	/ Squar	e Roots]	*		2s + s + 4t - t
	4 1 =					2^6	=				1 2	···.
	5 3										?	
10.		÷] *			16	•		peration			21.	[Substitution] *
	$\frac{1}{9} \div \frac{4}{5} =$	-				- 3 :	× 4 +	$2^3 \times 2$. =			If $j = 6$, find the value of
	9 5				<u> </u>	. [Ex	oloring N	Number]	II.			2(3+j)
11.	[Percents]							⁷ is th	e scie	ntific		
	Write as		cent:				tation 58.0	10r: 00,00	0		22.	[Equations] *
	5 out of	_				B)	5.80	00000	00 [Solve for <i>y</i> :
						C)	580,	0,000,0	00 [$3 \cdot y = 21$ $y = $

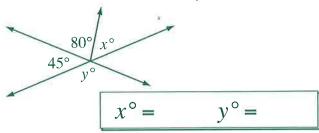
This line is described as:

- A) All points where x = 2
- B) All points where y = 2
- C) All points where x + y = 2



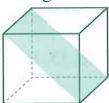
24. [Shapes] *

Find the values of x° and y° .



25. [Exploring Geometry]

> What shape is the cross section drawn through this cube?

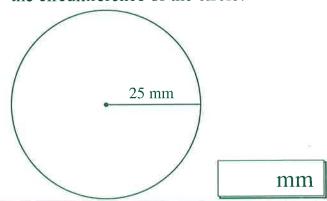


26. [Units of Measurement / Time] *

84 oz =1b ΟZ

27. [Perimeter] *

Using $C = 2\pi r$ where $\pi \approx 3.14$, calculate the circumference of the circle.



28. [Area / Volume] *

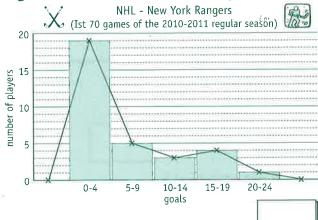
Using $A = \pi r^2$ and $\pi \approx 3.14$, find the area of the circle.



 mm^2

29. [Statistics]

How many players scored more than 9 goals for the New York Rangers?



30. [Probability] *

Ten balls numbered 1 to 10 are mixed together, and then one ball is drawn. Find the probability that the number drawn is not a multiple of 3.

31. [Problem Solving 1] *

I think of a number, multiply it by 2, subtract 6 and then divide by 4. If the answer is 8, what is the original number?

32 [Problem Solving 2] *

What single discount is successive discounts of 30% and 50% equivalent to?

33. [Problem Solving 3] *

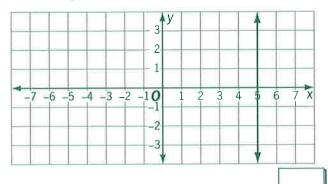
Students in a math test can score 0, 1, 2 or 3 marks on each of the six questions. There is only one way to score 18 and six ways to score 17. In how many ways can a student score 16?

Green 4.1 © Copyright. Not to be reproduced without permission. J. B. Wright - Echuca 2011

1,	[+ Whole	Number	s to 10]									72
		81	3	-10	42	19	-6	-27	14	8	35	MATH'S MATE
	+ 9	2										
2.	[- Whole	Number	s to 10]									GK
		16	-69	12	38	-7	73	10	-15	4	21	GREEN!
	_ 8											Term 4 - Sheet 2
3.	[× Whole	Number	s to 12]									Namo
		9	5	12	6	3	10	11	8	7	_4	Name:
	× 12											Due Date://
4 .	Parent's Signature: 1. [÷ Whole Numbers to 12]											
		44	24	8	40	- 16	28	12	36	-32	20	QUOTE OF THE WEEK Selfishness is a gift of nature. Unselfishness is an
	÷ 4											accomplishment Joseph Mayer
5	[Large Nu	mber +,	-] *		1	2 . [De	ecimals	/ Fractio	ns / Per	cents] *	18.	[Multiples / Factors / Primes] *
	234 + 1	1409 -	+ 56 +	138 =	=				table		-×	Express 80 as a product of its prime factors using
	AV.					D	ecimal	Fract	ion P	ercent	-	exponential notation.
6.	[Large Nu	mber ×,	 *					$\frac{1}{5}$				80 =
	324×2	260 =			1:	3. [Int	tegers]	4			4	
7.	15	7. afa				-6	5 × (–	6) =			19.	[Number Patterns] *
1 a	[Decimal - 42.19 +		. 0.50		1	4 . [Ra	ates / Ra	atios] *	-		= 13 .	Find the 15th term in the
	42.19 1	- 1.3 -	F 0.58	=	1				eprese 1 earth			pattern:
		*				CC	ntain	half c	of all l	iving		3, 13, 23, 33, 43,
8.	[Decimal >				7			Find sts to	the ra	tio of	-)1	
	0.7×0	.41 =						bitats		:	20.	[Expressions]
9.	[Fraction -	+,-] *			_, 1	5 . [Ex	ponents	s / Squai	re Roots	3] *		Simplify
	$\frac{3}{4} + \frac{1}{5} =$	=				7^{3}		·				5v + 2v - v + 3w
	4 5					^			1		1	×,
10.	[Fraction >				יר	_		peration $A^2 \vee A$	ns] * ÷ 1 =		, 7°4 ii	
	$\frac{5}{6} \div \frac{2}{5} =$	= 5				(т 1,	, , , ,			21.	
11.	[Percents]			.	- 1'	7. [Ex	nloring	Number	,			If $k = 9$, find the value of
	At the l	Beijin				Tł	ne dia	meter	of a r		*	3(k - 8)
	4 of the by the 1							ell is 4 Write	4.1 × 1	10^{-5}		
4	bronze					nu	ımber		ındard	1	22	• •
	this?					fo	rm.					Solve for f : $5f = 20$ $f = $
			Ļ			= 0						$5f = 20 \qquad \boxed{J} \equiv$

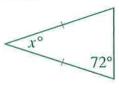
This line is described as:

- A) All points where x = y + 5
- B) All points where y = 5
- C) All points where x = 5



24. [Shapes] *

Find the value of x° .



25. [Exploring Geometry]

What shape is the cross section drawn through this pyramid?



26. [Units of Measurement / Time] *

2 T 1000 lb = 1b

27. [Perimeter] *

Using $C = 2\pi r$ where $\pi \approx \frac{22}{7}$, calculate the circumference of the stool top.



in.

28. [Area / Volume] *

Using $A = \pi r^2$ and $\pi \approx \frac{22}{7}$, find the area of the circle.

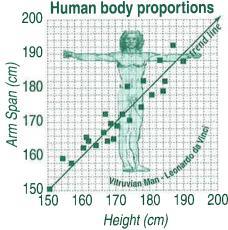


 mm^2

29. [Statistics]

Which best describes the trend line?

- A) Height taller than arm span
- B) Height shorter than arm span
- C) Arm span equal to height



30. [Probability] *

A survey of a local suburb showed that 15% of the population was under 12 years of age, and 21% of the population was over 60 years of age. What is the probability that a person selected at random was aged between 12 and 60? [Give the answer as a percent.]

31. [Problem Solving 1] *

John asked Miriam to tell him her age. She replied, "If you divide my age by 3, you will get the same answer as when you divide 75 by my age." How old is Miriam?

32. [Problem Solving 2] *

At noon, Trevor and Kim start running from the same point. Trevor runs east at a speed of 5 mph and Kim runs west at a speed of 3 mph. At what time will they be 12 miles apart?

33. [Problem Solving 3] *

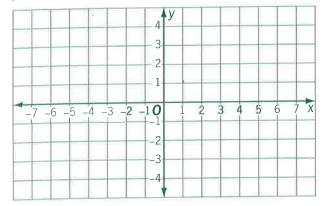
In the addition problem shown, each letter represents a different digit. If GOD = 605, what number does MOVED represent?

	A	D	A	M
		A	N	D
+		E	V	E
M	0	V	Е	D

Green 4.2 © Copyright. Not to be reproduced without permission. J. B. Wright - Echuca 2011

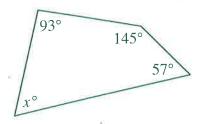
1.	[+ Whole I	Vumber	s to 101								w	27 BANK WAY. 28 YE 28
• •	T VVIIOIC I	-8	12	15	-34	9	87	3	10	-31	26	MATH'S MATE
	. 6	0	12	15	31							
	+6											GR.
2.	[- Whole !		s to 10]			1.0	0.1	0	10	1.5	20	CREEN
		56	4	77	3	-10	31	9	12	15	-28	KUIIAKU]
	_ 7											Term 4 - Sheet 3
3 .	[x Whole I	Number	s to 12]									Name:
		9	6	12	8	4	11	-5	3	10	7	
	× 9											Due Date:///
4.	-	Ni waala a w	o to 101						,			Parent's Signature:
4.	[÷ Whole I	40	20	80	110	50	90	60	70	-30	120	QUOTE OF THE WEEK
	10	40	20	80	110	50	70	00	70		120	Happiness is like coke; something you get as a by-product in the process of making something else. Aldous Huxley
	÷ 10											
5.	[Large Nu	mber +,	_] *		1		ecimals				18.	
	4539 +	216 -	+ 541	=			omple					Express 132 as a product of its prime factors using
	Decimal Fraction Percent											exponential notation.
										80%		
6.	[Large Nu	ımber ×,	÷] *								100	132 =
V	107×3	3800 =			_ 1		tegers] 5 × 7 :		Г		1	
				40								
7.	[Desimal	. 14			1	4 . [R	ates / Ra	atios] *	C-III	19 .	[Number Patterns] * Find the 10th term in the	
1 8	[Decimal -		0.0	10		A	hock	ey rin	k is 20	00 ft	pattern:	
	22.31 -	+ 4.9 -	+ 0.24	8 =		lo	ng an	d 85 f	t wide	e. nath		1, 8, 27, 64,
						f:	ind the widtl	a rauc h.	01 10	ngui	ni .	
8.	[Decimal	×.÷1*					, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			:	00	
	3		18					. / 0	us Doot	-1	』 20 .	[Expressions]
	0.15 ×	0.0 =			1	_	xponent	s / Squa	re Root	<u> </u>	1	Simplify $2m + 3p - p + m$
9.	[Fraction	+,-] *			1	5	0 =					
	$\frac{3}{7} + \frac{1}{2} =$	=			1	6 . [0	rder of C	Operatio	ns] *		ř	*,
	7 2			Ļ			$^{2} + (3$			=	2.5	
10.	[Fraction	×,÷] *			1						21.	
	$\frac{1}{-} \div \frac{3}{-}$	=			1	7 . [E	xploring	Number	r]			If $p = 7$,
	$\frac{1}{2} \div \frac{3}{8}$					T	he siz	e of a	water	C	*	find the value of $p(2+p)$
11,	[Percents] *				m	olecu	le is 2	$2.78 \times$	10^{-10}		r \- · r)
	Of the					meters. Write this number in standard						
	225 sp 18 are				n.		form. 22					· ' ' '
	What p						1					Solve for p :
	this?		Ļ									8 <i>p</i> = -64
page	61					1 2	3 4	5 6	7 8	9 10	11 12	13 14 15 16 17 18 19 20 21 22

Draw the line through all the points where the x-coordinate and the v-coordinate add to 2.



24. [Shapes] *

Find the value of x° .



25. [Exploring Geometry]

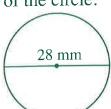
What shape is the cross section drawn through this cylinder?



26. [Units of Measurement / Time] *

qt 25 qt =gal

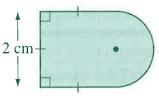
27. [Perimeter] * Using $\pi \approx \frac{22}{7}$ calculate the circumference of the circle.



mm

28. [Area / Volume] *

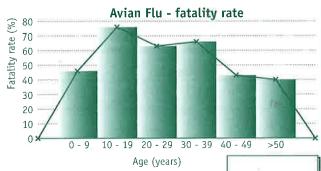
Using $\pi \approx 3.14$ find the area of the shape.



 cm^2

29. [Statistics]

Which age group has the highest fatality rate from avian flu?



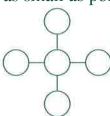
30. [Probability] *

When a die is rolled, what is the probability of rolling a 2 or a 5?



31. [Problem Solving 1] *

Place the digits 2, 3, 4, 6 and 8 in the circles so the three numbers on each line give the same product, and the product is as small as possible.



32. [Problem Solving 2] *

In how many ways can 12 one-dollar coins be shared between Josh, Frank and Suzie, if each of them receives at least 3 coins?

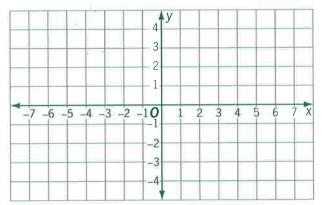
33. [Problem Solving 3] *

Sandra walked to the top of a hill at a speed of 2 km/h, turned around and walked down the hill at a rate of 4 km/h. The whole trip took 6 hours. How many kilometers is it to the top of the hill?

Green 4.3 © Copyright. Not to be reproduced without permission. J. B. Wright - Echuca 2011

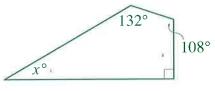
										V		
1.	[+ Whole	Number	s to 10]									
		31	10	-18	24	19	52	-3	87	15	6	MATH'S MATE
	+ 4											
2	[- Whole I	Number	s to 10]	,,	í							Gh
		81	-37	4	60	5	29	12	-8	16	3	GREEN!
	-3											Term 4 - Sheet 4
3.	[× Whole I	Number	s to 12]					· · · · · ·				Name:
		5	9	-8	6	3	7	11	-4	12	10	Due Date://
	× 8											Parent's Signature:
4 .	[÷ Whole I	Number	s to 12]					1				raients Signature.
		60	45	40	50	25	35	-55	20	15	-30	QUOTE OF THE WEEK What would life be if we had no courage to attempt
	÷ 5											anything? Vincent Van Gogh
5 .	[Large Nu	mber +,	-] *		13			/ Fractio		-	18.	[maniproof dotoro / milloo]
	5378 +	1948	+ 366	ó =	_			te the			h	Express 300 as a product of its prime factors using
	£0					D	ecimal	Fracti 47		ercent		exponential notation.
6.	[Large Nu	mber ×,-	÷] *		<u>-i</u>			50				300 =
N.	209 × 1	500 =	=		, 13	3. [Int	egers])i	
,						-3	$8 \times (-9)$	9) =			19.	
7 .	[Decimal +	.,-] *			14		ites / Ra		:	- C -		Find the 20th term in the pattern:
	4.5 + 2	7 + 2.	503 =		T			rica th nome		or a		*
								ed fror ft² ov				$\frac{1}{20}$, $\frac{1}{19}$, $\frac{1}{18}$, $\frac{1}{17}$,
8.	[Decimal ×	:,÷] *			-3 -h	ter	n year	s. Fir	nd the	ratio		
	1.03×0).9 =					house mpare	e area	today		20.	[Expressions]
9.	[Fraction +				<u>-1</u>			s ago.		•		Simplify
	$\frac{5}{12} - \frac{2}{5}$	=			15	. [Ex	ponents	/ Square	e Roots]	*		4q + 3 + q - 2
						6 ³						24,
10.	[Fraction ×				16	. [Or	der of O	peration	sl *		21.	[Substitution] *
	$\frac{3}{10} \div \frac{2}{5}$	=						³ ÷ (-	-	=		If $e = -8$,
11.	[Percents]				4							find the value of $3(e-1)$
	An elep	hant	weigh	S	17		oloring N		20.02	n41.01		
	5000 kg of food	each	day.	What			tation	⁻⁶ is the for:	ie scie	entific	22.	[Equations] *
	percent	of its	own '	weigh	t			00004	12			Solve for x :
	does an eat each	eleph day?	ant			B) C)	0.00	0042 00042	2			$\frac{x}{10} = 2$ $x = $
			1		4	<i>U</i>)	0.00	00012	100			

Draw the line where x = y.



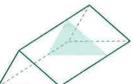
24. [Shapes] *

Find the value of x° .



25. [Exploring Geometry]

What shape is the cross section drawn through this prism?



26. [Units of Measurement / Time] *

27. [Perimeter] *

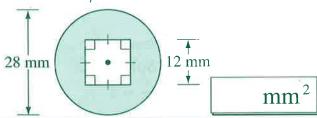
Using $\pi \approx 3.14$ calculate the circumference of the circle.



mm

28. [Area / Volume] *

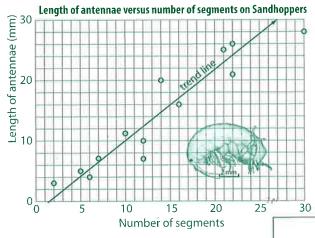
Using $\pi \approx \frac{22}{7}$ find the shaded area.



29. [Statistics]

Which best describes the trend line?

- A) More segments, longer antennae
- B) Less segments, longer antennae
- C) More segments, shorter antennae

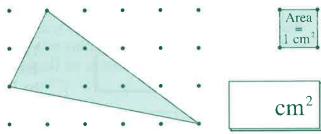


30. [Probability] *

A bag contains 6 white, 2 black and 10 green marbles. If a marble is selected at random, find the probability that it is a black or a green marble.

31. [Problem Solving 1] *

What is the area of the triangle in square centimeters?



32. [Problem Solving 2] *

A math test consists of ten questions. Ten points are given for each correct answer, and three points are deducted for each incorrect answer. If Sue attempted all the questions and scored 61 points, how many correct answers did she give?

33. [Problem Solving 3] *

A clock gains 4 minutes every hour. One day it is set to the correct time, 9:00 A.M. What is the correct time when the clock shows 1:00 P.M. that afternoon?

Green 4.4 © Copyright. Not to be reproduced without permission. J. B. Wright - Echuca 2011

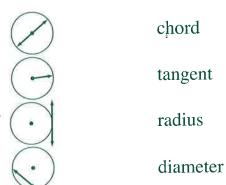
1. [+ Whole Numbers to 10]												
		23	14	-71	10	-9	2	16	8	-25	67	MATH'S MATE
	+ 5		0					10		23	07	INIATTI O INIATE
	T 3	2										
2 .	[- Whole	Number	's to 10]									(G. K)
		6	17	29	24	10	2	-25	21	-3	88	GREEN
	- 9					10		23	21	5	00	
	- 9											Term 4 - Sheet 5
3.	[× Whole	Number	s to 12]									
		-3	8	7	-11	6	9	4	12	5	10	Name:
	× 6										10	Due Date: /
												Parent's Signature:
4.	(÷ Whole i	Number	s to 12]									r arents signature.
		49	-70	28	42	7	63	84	35	-56	21	QUOTE OF THE WEEK
	÷ 7											There is hope for anyone who can look in the mirror and laugh at what he sees.
5 .	[Large Nu	mber +,	_] *		12	2 . [De	cimals /	/ Fractio	ns / Per	cents] *	18	[Multiples / Factors / Primes] *
	74 + 20	92 –	777 =			W	hich i	s grea	iter?			The number 9 has
						_3	or 3	0%				exactly three factors:
	AC.					10	OI J	70				1, 3 and 9. Find the next number after 9 that has
6 .	[Large Nur	mber ×,-	+] *		13	3. [Int	egers]				<u>.</u>	exactly three factors.
	3477 ÷	2 =	3			•	÷ (-8	3) =			Ì	in the factors.
		_			J 4/			•	L			
7 .	[Decimal +	·,-] *			14		tes / Ra					
	8 - 0.7	=						bee l wings			19	[Number Patterns] *
						be	at 250) time	s/seco	ond.		If the general rule of a
8.	[Decimal ×	,÷]*				At	this r	ate ho	w ma	any		pattern is $n + 2$ find the
	2 ÷ 0.4	_			1			e reco	rded i	in		15th term $(n = 15)$.
	Z ÷ 0.4	=	L_			a r	ninute	27			1	(n=13).
3 .	Fraction +	1 *									20.	· · · ·
					1 45						20.	
1.7	$5\frac{5}{9} - 3\frac{2}{6}$				15). [Ex	onents	/ Square	Roots] * ———		Write as an expression: The sum of a and c
	<i>)</i>	7				(-8)	$(3)^2 =$					The sum of a and c
10.	[Fraction ×,	,÷] *			16				4			
		_			ີ 16			peration: -	s] * 			
	$\frac{3}{2} \times \frac{2}{9} =$					$\sqrt{3}$	6 + 64	! =			21.	[Substitution] *
			,		17	, IEv	oloring N	lumbari	l _e			Use $D = rt$ to find the
11.	[Percents]					- '	_	umberj umbe:	re aro			distance (D) where
	Roger n	nade \$	525 pr	ofit			ional?					r = 6 and $t = 9$
	on the st	tamp (collec	tion What			-3		$(3) \frac{7}{8}$			
	was his	nnn ø profit	as a	vv Hat			$\sqrt{18}$				22 .	[Equations] *
	percent				ì	C)	A19			- 1		Solve for x:
	cost pric								anc	i		2x + 3 = 9 $x = 0$
age	65	V [-			ſ	1 1 2 1	2 1 7 1		7 0			
_55,						1 2	3 4	5 6	/ 8	9 10	11 12 1:	3 14 15 16 17 18 19 20 21 22

Complete the table of values for the function rule y = x + 4

x	y = x + 4	y
1	y = 1 + 4 = 5	5
2	<i>y</i> =	
3		
4		
5		
6		

24. [Shapes]

Match each diagram to its description:



25. [Exploring Geometry]

Circle the shapes which have rotational symmetry.







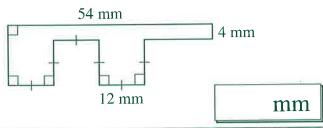


26. [Units of Measurement / Time] *

3.5 km = cm

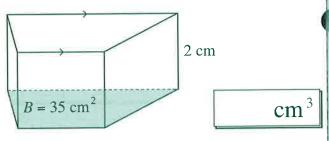
27. [Perimeter] *

Calculate the perimeter of this shape.



28. [Area / Volume] *

Using Volume = area of the base \times height, find the volume of the prism.



29. [Statistics] *

Complete the stem-and-leaf plot for the data showing the number of stations on each of Japan's monorails:

15, 4, 19, 16, 18, 13, 2, 8, 10, 2

Stem	Leaf	
0	2	
		0 5 = 5

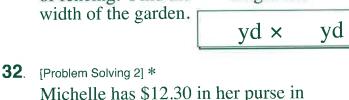
30. [Probability] *

In how many ways can five books be arranged on a shelf?



31. [Problem Solving 1] *

A gardener wants to fence the largest possible rectangular area using 200 yards of fencing. Find the best length and width of the garden.



Michelle has \$12.30 in her purse in 1ϕ , 5ϕ , 10ϕ and 25ϕ coins. If she has an equal number of each coin type, how many coins does Michelle have in her purse all together?

33. [Problem Solving 3] *

Using my faucet, it takes 6 minutes to fill our water tank. Using the neighbor's hose, it takes 9 minutes. How long would it take if I used both the faucet and the hose?

min 8

Green 4.5 © Copyright. Not to be reproduced without permission. J. B. Wright - Echuca 2011

					K-				21				
F	1	[+ Whole N	Number	s to 10]						_			BAATI UO BAATE
			- 9	24	13	-37	28	-1	12	6	15	60	MATH'S MATE
		+7	2										
6	,	11		101									GR
ľ	2.	[- Whole N	25	74	-9	18	27	22	3	10	-21	46	GREEN
			23	/-		10							Tarras A. Olasa I.C
		<u>-6</u>											Term 4 - Sheet 6
1	3.	[x Whole N			11	_	0	6	10	9	4	7	Name:
			3	10	11	5	8	-6	12	9	4		Due Date://
		× 8											Parent's Signature:
4	4 .	[÷ Whole I	Number	s to 12]								, h	
			24	108	84	-48	132	120	-36	72	60	96	QUOTE OF THE WEEK Fashion - That which is unwearable until everyone else is
		÷ 12											wearing it, by which time it is unfashionable. Rossiter
	5.	Large Nu	mher +	_1 *		1	2 . [D	ecimals	/ Fractio	ns / Per	cents] *	18	[Multiples / Factors / Primes] *
ľ		527 + 8			_		W	hich	is grea	ater?			The number 10 has
		321 + 6	04/3 -	- 565			0.	8 or $\frac{3}{2}$	<u>}</u>	1)		1	exactly four factors: 1, 2, 5 and 10. Find the
		*						2	ļ	Ļ_			next number after 10
1	6 .	[Large Nu	mber ×,	÷] *		ղ 1:	3 . [In	tegers]				71	that has exactly four factors.
		1042 ÷	5 =				99) ÷ (-	11) =				ractors.
Ĺ	7:	[Desimal.	. 1 \$\dot			1.	1 (D	ates / Ra	tical #			- " 19.	[Number Patterns] *
	2	[Decimal +				1	_		10 mi	inutes	to fil		If the general rule of a
		2 - 0.6	4 =				a	60-ga	llon b	athing	g pool		pattern is $n-7$ find the
ı	B .	[Decimal >	<,÷] *						the a ns per				22nd term $(n = 22)$.
		$7 \div 0.2$,,,,	guiio		nour	•	1	(11 - 22).
		. O.2 ⊴	_	Ļ					L			20.	
1	9.	[Fraction -				1	5 . [E:	ponents	s / Squai	re Roots	s] *		Write as an expression:
		$2\frac{1}{4} - \frac{3}{4}$	-=				(-	$-4)^3 =$					A number that is equal to 5 less than <i>b</i>
		4 4					_						*.
	10.	[Fraction >				1 (peration	ns] *		1 - 2 -	
		$\frac{2}{3} \times \frac{3}{8} =$	_				V	$5^2 + 12$	$2^2 =$			21.	[Substitution] *
		3 8				- 1.	7 . (E)	colorina	Number	1			Use $A = bh$ to find the area (A) of a
	11,	[Percents]	*			•			s not		onal		parallelogram
		Tina bo	ought	her ca	ar for		nı	ımber	?	, Fig. 1,	7		where $b = 8$
		\$6000 and later sold it for \$4500. Find the loss							143	(5	and $h = 7$	
Ī		as a pe	rcent	of the	cost	_	C)	$\sqrt{7}$	6	D) -	-28	22.	
		price.											Solve for s : 4s - 5 = 11 $s = 1$
												1	13 3 – 11

page 67

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

Complete the table of values for the function rule y = 10 - x

x	y = 10 - x	y
5	y = 10 - 5 = 5	5
6	<i>y</i> =	
7		
8		
9		
10		

24. [Shapes]

What is \overline{AB} in this diagram?

- A) radius
- B) circumference
- C) diameter
- D) tangent



25. [Exploring Geometry]

Circle the shapes which have rotational symmetry.







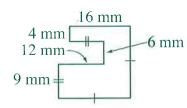


26. [Units of Measurement / Time] *



27. [Perimeter] *

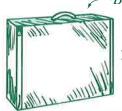
Calculate the perimeter of this shape.



mm

28. [Area / Volume] *

Using V = Bh find the volume of the briefcase. $B = 120 \text{ in.}^2$



25 in.

 $in.^3$

29. [Statistics] *

This stem-and-leaf plot shows the number of annual vacation days for the 12 largest countries in the world. Find the median of the data.

Stem	Leaf		
1 2 3 4	3 5 0 0 5 5 7 8 4 5 7 2	1 0 = 10	

30. [Probability] *

A deli has a lunch menu consisting of one sandwich, one dessert and one drink. How many lunch combinations are possible from the following choices? sandwich: salad, ham, tuna, roast beef dessert: cookie, pie drink: tea, coffee, lemonade, water

31. [Problem Solving 1] *

At a convention for lawyers it was known that of the 100 present, at least one was honest, yet if you met any two of the lawyers, you could guarantee that at least one of the two would be crooked. How many honest lawyers were present?

32. [Problem Solving 2] *

The fraction of girls in our class has risen from $\frac{3}{7}$ to $\frac{1}{2}$ with the arrival of the Henderson triplet girls. How many students are there in our class now?

33. [Problem Solving 3] *

On Monday, the escalator was not working. It took Tom 18 seconds to reach the top, climbing two steps each second. By Tuesday the escalator had been repaired and Tom took only 12 seconds to reach the top climbing at the same rate. On Wednesday Tom decided to ride the escalator without climbing at all. How long did it take to reach the top this time?

Green 4.6 © Copyright. Not to be reproduced without permission. J. B. Wright - Echuca 2011

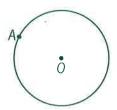
1.	[+ Whole	Number	s to 10]												
		13	76	-7	-22	9	41	18	-65	10	34	MATH'S MATE			
	+ 9	143													
2.	[- Whole	Number	s to 10]									GR			
		-10	31	9	17	-28	12	36	13	75	4	GREEN			
	- 5											Term 4 - Sheet 7			
3.	[× Whole	Numbers	s to 121			-						161111 4 - SHEEL /			
		9	3	12	-7	11	6	10	8	-4	5	Name:			
	× 7											Due Date:///			
4.	÷ Whole	Numbers	s to 121								- 1,	Parent's Signature:			
~ 50	T. WIIOIO	96	24	56	80	-48	64	40	88	-32	72	QUOTE OF THE WEEK			
	÷ 8											"I think it would be a good idea," Mahatma Ghandi (When asked what he thought of Western Civilization.)			
5.	Large Nu	mher + -	_1 *		1:	2 [De	cimale	/ Eractio	ns / Per	contol *	18.	[Multiples / Factors / Primes] *			
	849 + 3			_	•			is grea		cents] 4	10.	What is the smallest			
	ロサノエ、	7173 -	- 000		1		% or	_				positive integer that has			
6	26				J 1:	exactly eight factor 13. [Integers]									
6.	[Large Nu		·] *		٦.,		24 ÷ (-	-6) =							
	3137 ÷	4 =] 1/	1 (Ba	ites / Ra	utioe1 *			19 .	[Number Patterns] *			
7,	[Decimal -	+,-] *			•			_	heart l	oeat		If the general rule of a			
	12 – 9.	63 =				rat	te for	perso	ns 12	to 16		pattern is 33 – 3 <i>n</i> find the 8th term			
		to	l						0 beat :. At t			(n=8).			
8.	[Decimal >	<,÷] *			_h				y time						
	$9 \div 0.0$	3 =						i beau ilf hoi	ing in urs?	two	20 .	[Expressions]			
9.	Fraction	_1*	-								1	Write as an expression: A number that is equal			
	$2\frac{3}{8} - \frac{5}{8}$				15		<u>_</u>	10		7 -1-		to twice as much as x			
V	8 8			<u> </u>] '`				re Roots] *	1				
10.	[Fraction >	(,÷] *				(-	12) ² =	=	ļ			× ,			
	$\frac{9}{10} \times \frac{2}{3}$	_			16			peration			21.	[Substitution] * Ah			
	10 3	_				50	-2^{3}	$\times \sqrt{36}$	5 =			Use $V = \frac{Ah}{3}$ to find the			
11.	[Percents]	*			17	7. [Ex	ploring I	Number]			3	volume (V) of a pyramid where $A = 6$ and $h = 8$			
	Aaron l								tional		U				
	home for								the 141, 15						
	find the	loss a				28	, v J ,	0.034	T1, 1 <i>)</i>	, ,,	22.	1			
	of the c price.	OSL						ř.				Solve for q : 3q - 1 = -10 $q =$			
page	9					1 2	3 4	5 6	7 8	9 10	11 12 1	3 14 15 16 17 18 19 20 21 22			

Complete the table of values for the function rule y = 5x

x	y = 5x	y
0	$y = 5 \cdot 0 = 0$	0
1	<i>y</i> =	
2		
3		
4		
5		

24. [Shapes]

Draw the diameter passing through A.



25. [Exploring Geometry]

Which shapes have rotational symmetry?



- B)
- **C**)
- D)

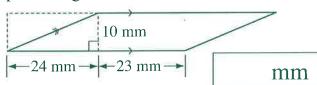


26. [Units of Measurement / Time] *

330 mm = m

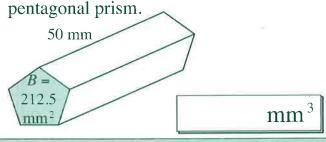
27. [Perimeter] *

Calculate the perimeter of this parallelogram. [Hint: Pythagorean theorem will help.]



28. [Area / Volume] *

Using V = Bh find the volume of the



29. [Statistics] *

This stem-and-leaf plot shows the mean annual snowfall for Montana resorts. Find the median of the data.

Stem	Leaf		
1	4 5 8 8	70	
2	1 4 5 5 5		
3	00005		
4	0 1	$2 \mid 6 = 26 \text{ in.}$	

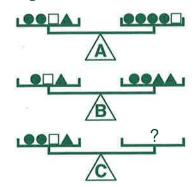
30. [Probability] *

One quarter, one dime and one six-sided die are tossed. How many results are possible?

101

31. [Problem Solving 1] *

How many spheres must be placed on the right side of scale C to make it balance?



32. [Problem Solving 2] *

A computer is programmed to scan the digits of the counting numbers. For example, if it scans

1 2 3 4 5 6 7 8 9 10 11 12 13 then it has scanned 17 digits all together. If the computer begins its task and scans the first 1392 digits starting with 1, what is the last counting number scanned?

33 [Problem Solving 3] *

Eight soccer teams play each other once during a tournament. Two points are awarded for each win, one for each draw and zero for each loss. How many points must a team score to be sure that it will finish in the top four?

[The team must finish with more points than at least four other teams.]

Green 4.7 © Copyright. Not to be reproduced without permission. J. B. Wright - Echuca 2011

1.	[+ Whole I	Number	s to 10]									
5		14	-36	-12	20	7	1	-18	63	29	25	MATH'S MATE
	+8	m _e										
2.	[- Whole Numbers to 10]											GK
		24	12	26	-37	71	40	3	35	-19	8	GREEN
	- 7											Term 4 - Sheet 8
3.	[× Whole N	Number	s to 12]									
		9	8	5	-3	11	6	7	10	-4	12	Name:
	× 5											Due Date:///
4.	Parent's Signature:											
		18	66	48	36	-72	30	54	-24	42	60	QUOTE OF THE WEEK
	÷ 6											Bromiley's Maxim - What's not worth doing is not worth doing well. Rossiter
5 .	Large Nur	mber +.	_] *		1	2 . [De	ecimals	/ Fractic	ns / Per	cents] *	18.	[Multiples / Factors / Primes] *
	2000 +		_	4 973		-		is gre				List the 3 smallest
	2000 1	50,00	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1,575		2	or 60	0%				positive integers that have exactly four
	4/		Ļ			3	01 00	, , c				factors.
6.	[Large Nur	mber ×,-	÷] *		1	_	tegers] 54 ÷ 8					
	1724 ÷	8 =] ,	_						
7	[Decimal +	·,-] *	tn			_	ates / Ra Ferra	_	h a 5.:	5 L	19.	[Number Patterns] *
	5 - 3.84					en	gine	has a	city			If the general rule of a pattern is $n^2 + 4$ find the
	4	5.	<u> </u>			of	nsum gas r	iption per 10	of 23 0 km.	liters How	,	6th term $(n = 6)$.
8.	[Decimal ×	(,÷] *			_h	m	uch g	as do	es it n	eed		
	$6 \div 0.8$	=				10	r a 20	km c	ity tri	p ?	20.	[Expressions]
9.	[Fraction +] *	= (4)							L		A plant grew 2 inches
	$3\frac{1}{10}-1$				1.	5 . [E>	ponent	s / Squa	re Roots	s] *	Th.	every day for <i>d</i> days. How much did it grow?
	10	10				(-	$(2)^5 =$					
10.	[Fraction ×				1			Operatio	-		8 y -	
	$\frac{5}{18} \times \frac{9}{10}$	- ==				$\sqrt{}$	16 – 3	3×4	$+3^{3} =$		21.	•
	18 10					_						Use $P = 2(l + w)$ to find the perimeter (P) of a
11.	[Percents]				1			Number	1 ationa	1	l)	rectangle where $l = 7$
	An anti bought					nu	ımber	s fron	n the l	ist:		and $w = 4$
	later so	ld for	\$240	. Fine		$\frac{24}{20}$	$\frac{4}{0}$, -6	.78, 4	$0, \sqrt{7}$, –9	00	
	the prof		_	ent of		29	7	i			22.	[Equations] * Solve for <i>k</i> :
		L										$7k + 16 = 2 \qquad k =$

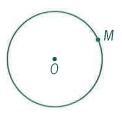
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

Complete the table of values for the function rule y = x - 3

x	y = x - 3	y
0	y = 0 - 3 = -3	-3
1	<i>y</i> =	
2		
3		
4		
5		

24. [Shapes]

Draw the radius passing through M.



25. [Exploring Geometry]

Circle the shape which does **not** have rotational symmetry.





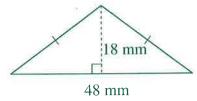


26. [Units of Measurement / Time] *

80 m = 100 km

27. [Perimeter] *

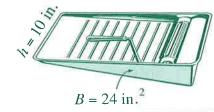
Calculate the perimeter of this isosceles triangle. [Hint: Pythagorean theorem will help.]



mm

28. [Area / Volume] *

Find the volume of the tray in the shape of a triangular prism.



in.3

29. [Statistics] *

This stem-and-leaf plot shows the number of floors of the twenty tallest buildings in the world. Find the median and range of the data.

Stem	L	ea	f				_
5	4	4					
5 6 7	4 6 0	8	9				
7	0	8					
8	0	3	6	8	8	8	8
9	6						
10	1	1	2	3	8		$4 \mid 3 = 43$

median =

range =

100

30. [Probability] *

A test has five True/False questions. If you answer each question with True or False and leave none of them blank, in how many ways can you answer the whole test?

31. [Problem Solving 1] *

Peter and David live 18 miles apart. They leave their homes at 1:00 P.M. riding bicycles toward each other. Peter averages 4 mph and David averages 5 mph. At what time do they meet?





32. [Problem Solving 2] *

Four consecutive whole numbers are added. If the smallest one is n-1, what is the sum of the four integers?

33. [Problem Solving 3] *

If *n* is an integer, which of the following must be an odd integer?

- A) 3n
 - B) $n^2 + 3$
 - C) n+3
 - D) $2n^2 + 3$

t Echuca 2011

Green 4.8 © Copyright. Not to be reproduced without permission. J. B. Wright - Echuca 2011