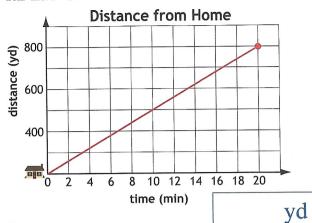
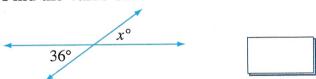
$\frac{7600}{40} = $	1.	[+ Whole Numbers to	10]											490. 100
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3. x Whole Numbers to 12		_ 2											Torm / Sho	o+ 1
4. $\frac{1}{2}$ Whole Numbers to 12] 4. $\frac{1}{2}$ Whole Numbers to 12] 24 9 6 27 21 12 18 30 15 33 5. [Large Number +,-] 8 3, 0 2 6 - 7 5 0 9 11. [Percents] * 1% of 200 = 12. [Decimal +,-] 7 3 .0 4 2 .9 + 6 8 .5 13. [Integers] Lee owed \$200. He deposits \$800. How much does Lee have now? \$800. How much does Lee have now? \$10. [Rates / Ratios] * Which is cheaper per pen? A) \$20 for 25 pens B) \$30 for 40 pens 15. [Expressions] Choose the like terms: 3x, y, 2x 21. [Substitution] * If $g = 9$ and $h = 2$, find the value of $g - h - 4$ 22. [Equations] *	3.	[× Whole Numbers to	12]										161111 4 - 3116	EC I
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5. [Large Number +,-] $\frac{10}{3}$ [Fraction \times ,+] * $\frac{1}{3}$ [Decimal +,-] $\frac{7}{3}$ $\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$ [Integers] $\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$ [Integers] $\frac{1}{3}$ $\frac{1}{3$	4.	÷ Whole Numbers to	12]										Parent's Signature:	
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8 3,0 2 6 - 7 5 0 9 11. [Percents] * 1% of 200 = 12. [Decimal *,-] 7 3.0 4 2.9 + 6 8.5 14. [Rates / Ratios] * Which is cheaper per pen? A) \$20 for 25 pens B) \$30 for 40 pens 15. [Exponents / Square Roots] Which is [Exponents / Square Roots] No. [Express for States whole number. No. [In the states whole number. No. [In the states whole number. No. [In the states whole num		÷ 3								10		1	what you do.	e, but to like
8 3,0 2 6	5 .	[Large Number +]	1	10	[Fracti	on × ∸l	*				17		lavia a Novel a 1	
40 11. [Percents] * 1% of 200 = 18. [Multiples / Factors / Primes] Express 52 as a product of prime numbers by completing the factor tree. 19. [Decimal +,-]		-			1	3							-	earest
6. [Large Number \times ,+] $\frac{7600}{40} =$ 12. [Decimals / Fractions / Percents] Place in order from smallest to largest: 0.68, 0.08, 0.86, 0.806 7. [Decimal +,-] 7 3.0 4 2.9 + 6 8.5 Lee owed \$200. He deposits \$800. How much does Lee have now? \$		- 7 5 0	9		3	4								
6. [Large Number \times ,+] $\frac{7600}{40}$ =			1	11.	[Perce	nts] *		1					Į	
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7. [Decimal +,-] 8. [Decimal ×,+] 10. [Rates / Ratios] * Which is cheaper per pen? A) \$20 for 25 pens B) \$30 for 40 pens 11. [Exponents / Square Roots] \times 7 12. 3 \times 7 15. [Exponents / Square Roots] $\sqrt{1600} =$ 16. [Order of Operations] * (16. O) Performance in order from Simalest to largest: 52 19. [Number Patterns] Complete the pattern: 2, 5, 11, 20, 32,, 20. [Expressions] Choose the like terms: 3x, y, 2x 21. [Substitution] * If $g = 9$ and $h = 2$, find the value of $g - h - 4$ 22. [Equations] *	6.		1	2.	[Decimals / Fractions / Percents] Express 32 as a product prime numbers by									
7. [Decimal +,-] 7 3.0 4 2.9 + 6 8.5 14. [Rates / Ratios] * Which is cheaper per pen? A) \$20 for 25 pens B) \$30 for 40 pens 15. [Exponents / Square Roots] $\sqrt{1600} =$ 16. [Order of Operations] * [Decimal +,-] * 2 3												con		tree.
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13. [Integers]					, , , , , , , , , , , , , , , , , , , ,								= 2 ·	
13. [Integers]	7	[Decimal 1											= 🗂 . 🗆	
Lee owed \$200. He deposits \$800. How much does Lee have now? \$ 14. [Rates / Ratios] * Which is cheaper per pen? A) \$20 for 25 pens B) \$30 for 40 pens 15. [Exponents / Square Roots] $\sqrt{1600} =$ 16. [Order of Operations] * 17. [Exponents / Square Roots] $\sqrt{1600} =$ 18. [Order of Operations] * 19. [Fraction +,-] * 20. [Expressions] Choose the like terms: $3x, y, 2x$ 21. [Substitution] * If $g = 9$ and $h = 2$, find the value of $g - h - 4$ 22. [Equations] *	•		4 1	3.	[Intege	rs]				1	9 11	Num	her Patternsl	
have now? \$ 14. [Rates / Ratios] * Which is cheaper per pen? A) \$20 for 25 pens B) \$30 for 40 pens 15. [Exponents / Square Roots] $\sqrt{1600} =$ 16. [Order of Operations] * (16. Q) (2. 2) 17. [Exponents / Square Roots] $\sqrt{1600} =$ 27. [Expressions] Choose the like terms: $3x, y, 2x$ 21. [Substitution] * If $g = 9$ and $h = 2$, find the value of $g - h - 4$ 22. [Equations] *					Lee	owed	\$200.	He	deposi	ts	-		•	
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8. [Decimal \times ,÷] Which is cheaper per pen? A) \$20 for 25 pens B) \$30 for 40 pens 15. [Exponents / Square Roots] $\sqrt{1600} =$ 16. [Order of Operations] * 21. [Substitution] * If $g = 9$ and $h = 2$, find the value of $g - h - 4$ 22. [Equations] *								\$, ——
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15. [Exponents / Square Roots] $ \begin{array}{c} $	8.	· · ·	2					_	pen?	n				
15. [Exponents / Square Roots] If $g = 9$ and $h = 2$, find the value of $g - h - 4$ 21. [Substitution] * If $g = 9$ and $h = 2$, find the value of $g - h - 4$ 22. [Equations] *			3 7											
$\sqrt{1600} = $ value of $g - h - 4$ $\frac{2}{3} = $ 16. [Order of Operations] * $\frac{2}{3} = $ 22. [Equations] *				E					Lancon	2			•	11
9. [Fraction +,-] * $\frac{2}{3} = \frac{3}{16}$ [Order of Operations] * $\frac{2}{3} = \frac{3}{16}$							quare R	oots]						the
$\frac{2}{2} - \frac{3}{3} = \frac{3}{2}$ 16. [Order of Operations] *	9	[Fraction ± _1 *		1	√16U	U =		Ļ						
$\frac{1}{2} - \frac{1}{12} = \frac{1}{2} = 1$	٠.		1 10	6.	Order	of Opera	ations] *	٠ _		2	2 . [E	Equa	itions] *	
$5 10^{-1}$ $(16-8) \div (2+2) = $ $3+6 \times $ $= 15$		$\frac{2}{5} - \frac{3}{10} =$				-	_	1			3	+ (6 × = 15	

This graph shows the distance from home at any time during Grace's walk. How far had Grace walked after 10 minutes?



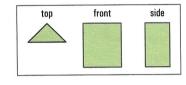
24. [Shapes]

Find the value of x° .



25. [Exploring Geometry]

Which solid has these top, front and side views?



A)



B)



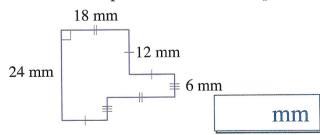
C)



26. [Units of Measurement / Time] *

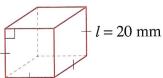
27. [Perimeter] *

Calculate the perimeter of this shape.



28. [Area / Volume] *

Using $V = l^3$ find the volume of the cube.

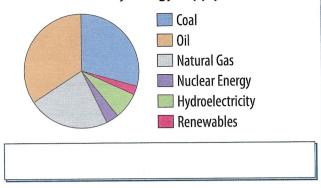


 mm^3

29. [Statistics]

Which type of primary energy is the fourth largest in the world supply?

Total World Primary Energy Supply (2018)



30. [Probability] *

'A yellow marble will be drawn from a bag containing 2 black marbles and 6 yellow marbles.'

Which letter A to E best represents the probability of the event?

Impossible	Unlikely -	Equally likely	— Likely —	- Certain
0	0.25	0.5	0.75	1
A	В	C	D	E

31. [Problem Solving 1]

Complete the multiplication table.

×	3		2	
9		45		54
			4	
4				
	21			

32. [Problem Solving 2] *

What is the least number of different colors needed to paint a cube so that no adjacent faces have the same color?

33. [Problem Solving 3]

Use the digits 1, 3, 5 and 7 once each, to make two 2-digit numbers.
What is the smallest possible product these two numbers can produce?



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9													202 50 200
1.	[+ Whole	Number	rs to 10]										
		45	32	14	18	9	26	37	13	20	11		MATH'S MATE
	+ 3												
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	- 6									10			Term 4 - Sheet 2
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	× 7									-			Due Date://
4.	[÷ Whole	Number	s to 121	1			J.						Parent's Signature:
		90	27	63	45	72	36	81	18	54	9		QUOTE OF THE WEEK
	÷ 9												When working towards the solution of a problem, it always helps if you know the answer. Rossiter
5 .	[Large Nu	mber +,	-]	10.	[Fract	ion ×,÷]	*			***************************************	17.	ll (F)	ploring Number]
	5	9,0			$\frac{1}{-}\times$	4 =						Ro	ound 14.13 to the nearest
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				11.		ents] *					18.	[N./I.	ultiples / Factors / Primes]
	-				$33\frac{1}{3}$	% of	90 =				10.		rpress 36 as a product of
6 .	[Large Nu	mber ×,-	÷]	12 .			ractions					pr	ime numbers by
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	+	2 0.	5 9				iring s nat do		it gai bear	ns	2		18, 15, 13, 10,
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	The second secon			14.	[Data	/ D - !'-	-1 %		11		20 .		pressions]
8 .	[Decimal ×	_	0 0	14.	_	/ Ratio	-	er ner	call?				noose the like terms: a_i, a_i, a_i
	×	1 4.	0 8 4		A) S	6 for	: 15 ca	alls					, , ,
					B) S	\$5 for	: 10 ca	alls		4	21.	_	bstitution] *
				15 .	[Expor	nents / S	Square F	Roots]		,			p = 3 and $q = 10$, find the lue of $17 + p - q$
9.	(Fraction +	1 *			$\sqrt{360}$	00 =							
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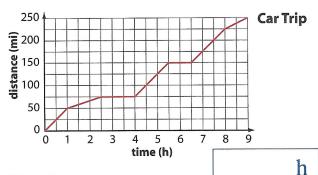
16. [Order of Operations] * $50 - (2 + 3 \times 2) =$

22. [Equations] *

 $4 + 8 \times$

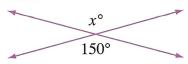
= 28

> This graph shows the distance traveled by a car over a 9-hour period. How long does the car take to travel 200 miles?



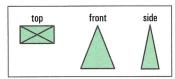
24. [Shapes]

Find the value of x° .



25. [Exploring Geometry]

> Which solid has these top, front and side views?



A)



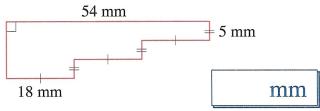




[Units of Measurement / Time] *

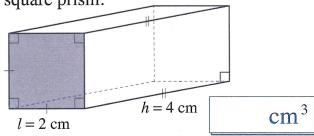
27. [Perimeter] *

Calculate the perimeter of this shape.



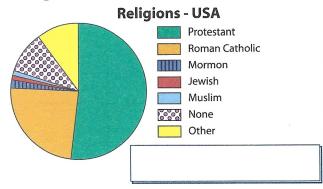
28. [Area / Volume] *

Using $V = l^2 h$ find the volume of the square prism.



29. [Statistics]

Which religion makes up nearly 25% or one quarter of the U.S. population?



30. [Probability] *

'A standard die is rolled and an even number comes up.'

Which letter A to G best represents the probability of the event?

Impossible	Un	likely —	_ Equally _ likely	— Li	ikely —	- Certain
0	1/6	$\frac{2}{6}$	3 6	4 6	<u>5</u>	1
A	В	C	D	E	F	G

31. [Problem Solving 1] *

> In a flock of black and white sheep, 2 out of 5 sheep are white. If there are 8 more black sheep than white sheep, how many sheep are in the flock?

32. [Problem Solving 2] *

Each of my daughters has as many brothers as sisters, but each of my sons has three times as many sisters as brothers. How many children do I have?

33. [Problem Solving 3] *

Happy Numbers

- Add the squares of the digits of a whole number to produce a new number.
- If you repeat this process and end up with the number 1, you have found a happy number. (e.g. 32 is a happy number)

$$32 \Rightarrow 9 + 4 = 13 \Rightarrow 1 + 9 = 10 \Rightarrow 1 + 0 = 1$$

Find the first two happy numbers greater than 40.

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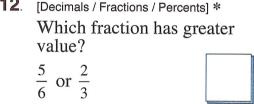






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1.	[+ Whole	Number	rs to 10]									
		21	34	30	17	9	15	26	23	32	28	I MATH'S MATE
	+9											
2 .	[– Whole	Number	rs to 10]						Annual and the second			B-
		23	30	45	18	39	42	16	27	21	14	BLUE
	- 10											Term 4 - Sheet 3
3 .	[× Whole	Number	rs to 12]									
		6	4	7	3	9	10	12	11	5	8	Name:
	× 12											Due Date://
4.	[÷ Whole	Number	s to 121	CONTROL CONTRO		and the control of th					a	Parent's Signature:
		48	12	28	20	24	44	40	16	32	36	QUOTE OF THE WEEK
	÷ 4											Even a mistake may turn out to be the one thing necessary to a worthwhile achievement. Henry Ford
5 .	[Large Nu	ımber +,	-]	10.	[Frac	tion ×,÷]	*		Own of the State o		17 .	[Exploring Number]
	4	7,2			$\frac{5}{6}$ ×	$\frac{2}{-} =$						Round 0.18 to one
•	_	3 7	9 5		6	3			L			decimal place.
				11.	-	ents] *						[Multiples / Factors / Primes]
	The second secon				12.5	5% of	800 =	=				Express 60 as a product of prime numbers by
6 .	[Large Nu	ımber ×,	÷]	12 .	[Deci	mals / F	ractions	/ Perce	nts] *			completing the factor tree.
					Whi valu		action	has g	reater	•		60



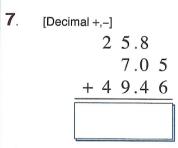


Alexander the Great became

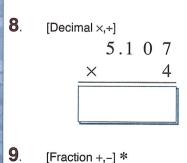
king in 336 B.C. and died

13 years later. What year

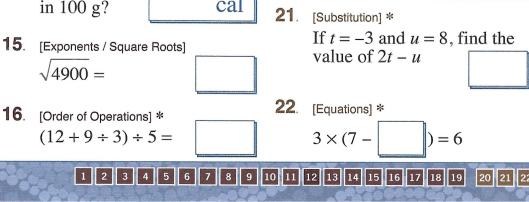
13. [Integers]



	did he die?	7, 1200) 0001
	ara no aro.	
14.	[Rates / Ratios] *	
	There are 60 c	alories in 40 g
	of cream chees	se. How
	many calories	
	1000	col



page 61



19. [Number Patterns]

20. [Expressions]

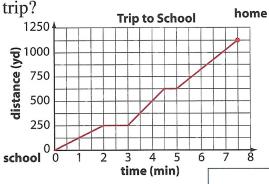
2*l*, 2, *l*

Complete the pattern:

Choose the like terms:

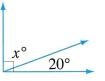
10, 9, 7, 6, 4,

If Will cycles to school every day, what is the distance he cycles on his two-way



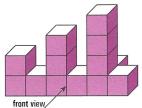
24. [Shapes] *

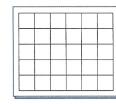
Find the value of x° .



25. [Exploring Geometry]

Draw the front view of this solid.





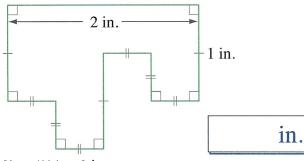
yd

26. [Units of Measurement / Time] *

$$\frac{1}{2}$$
 day = hours

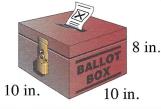
27. [Perimeter] *

Calculate the perimeter of this shape.



28. [Area / Volume] *

Using $V = l^2h$ find the volume of the ballot box that is a square prism.

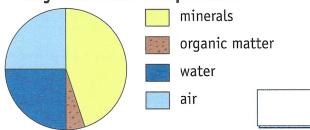


in.³

29. [Statistics] *

Organic matter makes up 5% of the composition of clay loam soils. What percent of the composition is minerals?

Clay Loam Soil Composition



30. [Probability] *

Which event is most likely to happen?

- A) drawing a consonant from letters A to Z
- B) selecting a multiple of 4 from the digits 0 to 9
- C) rolling a 5 on a standard die

31. [Problem Solving 1]

Two different views are shown of a pair of identical dice, each numbered 1 to 6. Which number is opposite the number 3? [Note: Though identical, the dice are not regular in that opposite sides do not always add to 7.]







32. [Problem Solving 2] *

How many triangles are there in this diagram?



33. [Problem Solving 3] *

Kahi can eat 32 pieces of candy in one hour. Her sister can eat the same amount in 3 hours. How long will it take both of them together to eat 32 candies?



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		0									ě	070 81
1.	[+ Whole	Number	s to 10]									
		24	5	18	39	42	33	41	27	16	20	□ MATH'S
	+4											
2.	[- Whole	Number	s to 101	J	I							
	[Whole	39	45	12	44	13	16	28	31	10	27	
	- 8			12		13	10	20	<i>J</i> 1	10	21	-
3.	-											
J .	[× Whole	Number 5	s to 12]	3	4	9	10	2	6	11	0	¬լ Name։
	× 6	5	/	3	4	9	10		6	11	8	
	Force was a second											Parent's Signature
4.	[÷ Whole	T		4 =			·					_,
		60	50	15	55	35	40	25	30	20	45	Never cut what you can untie.
	÷ 5											Joseph Joubert
5 .	[Large Nu	ımber +,	-]	10 .	[Fract	ion ×,÷]	*				17 .	[Exploring Number]
	4	8,0			$\frac{3}{5}$ ×	$\frac{1}{-} =$						Round 4.055 to t
	_	3	1 6		•				Town or other transport of the last			decimal places.
				11.		ents] *					18.	[Multiples / Factors / Prir
	Terrendo de la composição de la composiç				5	% of	300 =					Express 135 as a
6.	[Large Nu	ımber ×,-	÷]	12 .			actions		-			prime numbers by
					Whi valu		ection	has g	reater	•		completing the fa
	Į	1			-							1
	12	4 2	4 8		$\frac{2}{5}$ O	$r = \frac{1}{2}$						= 9
				13 .	[Integ	ers]			Parameter Services	commond		



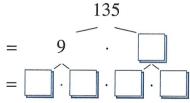


Sheet 4

Name:
Due Date://
Parent's Signature:
QUOTE OF THE WEEK Never cut what you can untie. Joseph Joubert

4 ==		
1/.	[Exploring Number]	
	Round 4.055 to two decimal places.	

mes] product of actor tree.



19. [Number Patterns] Complete the pattern: 0, 1, 3, 7, 15

20 .	[Expressions] Choose the like terms:
	4e, e, 4f
21.	[Substitution] *

	4 1.	[Substitution] *
1		If $y = 1$ and $z = 4$, find the
1		value of $2yz + 8$
	22.	[Equations] *
		$2 \times (18 - \square) = 10$
70 NOMAN	Service and the service and th	

[Decimal +,-]

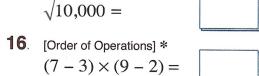
6 9.4

8 0.7 9

5.6 1

7.

9.	[Fraction +,-] *	
	$\frac{7}{12} + \frac{1}{6} =$	



In 44 B.C. Julius Caesar was

assassinated. Rome was

In what year was Rome

If it takes 15 minutes to

travel 25 km, how long will it take to travel 40 km at

min

founded?

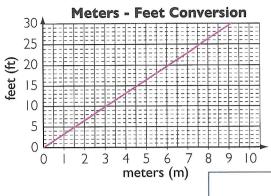
14. [Rates / Ratios] *

the same rate?

15. [Exponents / Square Roots]

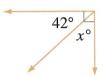
founded 691 years earlier.

How many feet are equivalent to 7 m?



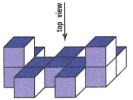
24 [Shapes] *

Find the value of x° .



25. [Exploring Geometry]

Draw the top view of this solid.

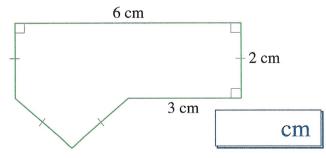


[Units of Measurement / Time] *

$$3\frac{1}{6} h = \boxed{\qquad} min$$

27. [Perimeter] *

Calculate the perimeter of this shape.



28. [Area / Volume] *

> Using V = lwh find the volume of the trash can that is a rectangular prism.

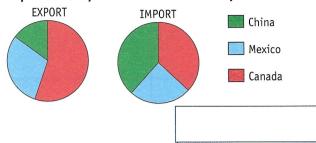


 $in.^3$

29. [Statistics]

To which country does the USA export less than it imports?

Top 3 USA export destinations & import sources



30. [Probability] *

Which has a 50% chance of success?

- A) drawing a vowel from letters A to Z
- B) selecting an even number from a list of numbers 10 to 19
- C) choosing a diamond from a deck of 52 playing cards

31. [Problem Solving 1] *

In a fish bowl there were 12 fish, some little, others big. If each of the big fish ate 2 little fish and then the little fish were all gone, how many fish were left in the bowl?

32. [Problem Solving 2] *

A ball is dropped from a height of 32 m. With each bounce, the ball reaches a height that is half the height of the previous bounce. After which bounce will the ball rebound to a maximum

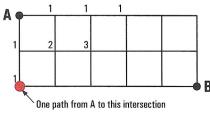


33. [Problem Solving 3] *

height of 25 cm?

You are to go from A to B, always moving right or down along the lines. On how many different paths can you

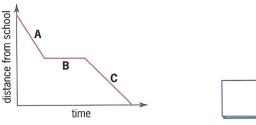
go? [The number of paths from A to various intersections has been included.]



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											*	
1.	[+ Whole I	Number	s to 10]									· ·
		55	8	17	16	9	23	14	2	60	21	MATH'S MATE
	+6											
2.	[– Whole I	Number	s to 101		030000000000000000000000000000000000000		***************************************					
		15	82	9	50	21	6	68	77	14	43	BLUE
	- 4											
3.	[× Whole N	Number	s to 121							Manual Control of the		Term 4 - Sheet 5
		3	12	8	6	11	7	10	9	4	5	Name:
	×9						-			•		Due Date:///
4.	[÷ Whole N	Number:	s to 121				OCHERONOS CONTRACTOR C		***************************************			Parent's Signature:
		66	88	33	110	132	55	44	121	77	99	QUOTE OF THE WEEK
	÷ 11								1 2 1			Cigarettes are killers that travel in packs. Mary Ott
5.	Large Nur	mber +	_1	10	[Fract	ion ∨ ±1	*			107 ECO 20 DE LA COMPANS DE SECO	17 .	Exploring Number]
	_	3,2	-	• • •	1	2.						Choose the whole numbers
	+	8 0	5 7		$\frac{1}{2} \div$	3						from this list:
				11.	[Perce	ents] *						$\frac{3}{5}$, 61, -3, 127, 0.75
<u></u>	Sec. As a sec.						pair o					
6 .	[Large Nur	mber \times ,- 1	-		the c	discou	y 15% int?					
	×		1 4					\$				[Multiples / Factors / Primes]
				12 .			actions		nts]			List the prime factors of 35.
							the ta			h		
					Dec	rimal	Fract	ion	Percen			
	Enthantion				0	.9					19 .	[Number Patterns]
7 .	[Decimal +	_	0 0	13.	[Intege	ers]						Complete the pattern:
			8.0		2 - 3	5 =					– J	14, -12, -10, -8,,
	Ē			14.	[Rates	: / Ratio	s] *		Banana and an		20 .	[Expressions]
									vims a	ıt	. ·	Simplify
8.	[Decimal ×	,÷]							3 mpl			$a + \ddot{a} + \ddot{b}$
			0.6		to w	alking	g rates	5,			21.	[Substitution] *
		X	0.4		111 S1	mpies	st forn	n	•			If $h = 7$, find the
				15.	[Expor $1^5 =$	nents / S	Square F	Roots]				value of h^2
9 .	[Fraction +	,_] *			1 =				-		20	
	1 1			16 .	[Order	of Ope	rations]	*				[Equations] * Solve for <i>x</i> :
	$\frac{1}{2} - \frac{1}{6} =$				5 + 3	$3^2 \times 3$	=					$x + 2 = 9 \qquad \qquad x = $

> This graph shows Claire's journey as she walks from home to school. Where is Claire at the end of section C?



24. [Shapes] *

Find the value of x° .



25. [Exploring Geometry]

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

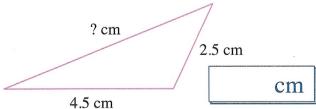


26. [Units of Measurement / Time] *

Find the time in hours and minutes between 8:00 A.M. and 2:15 P.M. on the same day.

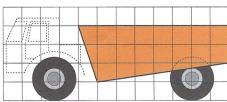
27. [Perimeter] *

> The perimeter of the scalene triangle is 13 cm. Find the missing side length.



28. [Area / Volume] *

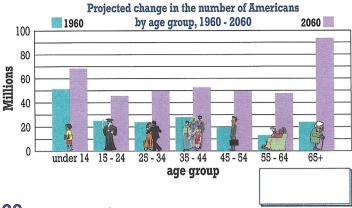
Find the area of the shaded quadrilateral.



sq. units

29. [Statistics]

Which age group is expected to grow by 30 million people between 1960 and 2060?



[Probability] *

What is the probability that a person chosen at random swims between the flags? [Give your answer as a fraction in simplest form.]



[Problem Solving 1] *

A number of students are standing in a circle. They are evenly spaced and the fifth student is directly opposite the eleventh student. How many students are there all together?

32. [Problem Solving 2] *

> A 2-digit number with 2 different digits has a special property:

> "When the sum of its digits is added to the product of its digits, the result is the number itself."

What is the smallest number with this property?

33. [Problem Solving 3] *

> Angela had a pair of cats. The female gave birth to six kittens, three male and three female. The next year the four female cats each gave birth to six kittens, again, three male and three female. If, in the next year, each female does the same and no cats die, how many cats will Angela then have?

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1.	[+ Whole	Number	s to 10]		Allen Man						
		20	25	7	74	13	6	62	18	41	8
	+8										

ole Numbers to 10]

	16	21	30	9	15	78	83	12	14	27
-7										

	5	4	8	9	6	12	3	7	11	10
× 5										

4. [+ Whole Numbers to 12]

	60	48	132	84	72	120	96	36	24	108
÷ 12										

5. [Large Number +,-]



$$\frac{1}{8} \div \frac{4}{9} =$$

Choose the whole numbers from this list:

List the prime factors of 12.

MATH'S MATE

Term 4 - Sheet 6

Name:

Parent's Signature:

OUOTE OF THE WEEK

Due Date:/..../

It is a good thing to learn caution by the misfortunes of

$$7.43, -\frac{8}{3}, 1, 225, \sqrt{5}$$

6. [Large Number ×,÷]

If a \$900 HD LED TV is reduced by 25%, what is the discount?



18. [Multiples / Factors / Primes]

12. [Decimals / Fractions / Percents]

Complete the table:

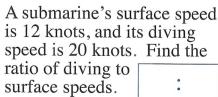
Decimal	Fraction	Percent
	1	
	10	

7. [Decimal +,-]

13. [Integers] 4 - 9 =

Complete the pattern:

14. [Rates / Ratios] *



20. [Expressions]

Simplify
$$s + t + s$$

[Number Patterns]

8. [Decimal ×,÷]

$$0.2 \times 0.5$$

15. [Exponents / Square Roots] *
$$4^3 =$$

If
$$s = 3$$
, find the value of $3s^2$



$$\frac{1}{10} + \frac{2}{5} =$$

$$26 - 6 \times 2^2 =$$

22. [Equations] *

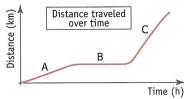
Solve for
$$b$$
:
 $b-4=5$

The graph of a trip is shown below. It is divided into 3 parts. Match each part with its best description.

A)

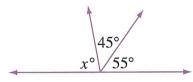
Stopped for lunch

- B)
- Driving on a dirt road
- C)
- Driving on a freeway



24. [Shapes] *

Find the value of x° .



25. [Exploring Geometry]

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

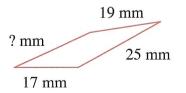


- 26. [Units of Measurement / Time] *

Find the time in hours and minutes between 5:30 A.M. and 3:00 P.M. on the same day.

27. [Perimeter] *

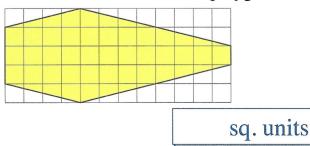
> The perimeter of the quadrilateral is 83 mm. Find the missing side length.



mm

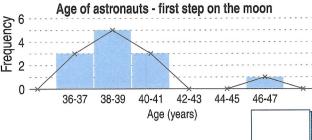
28. [Area / Volume] *

Find the area of the shaded polygon.



29. [Statistics]

> How many astronauts were less than 40 years old when they first stepped on the moon?



30. [Probability] *

What is the probability that a person chosen at random enjoys snowboarding? [Give your answer as a fraction in simplest form.]

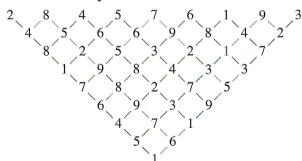


31. [Problem Solving 1] *

> How many of the first ten positive whole numbers can be expressed as the sum of two different prime numbers?

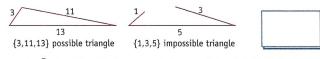
32. [Problem Solving 2]

Starting at the top and finishing at the bottom of this network, trace a path which goes through each number from 1 to 9 once and only once. [The order is not relevant.]



33. [Problem Solving 3] *

Nick has six sticks of the following lengths: 3 cm, 3 cm, 5 cm, 9 cm, 11 cm and 13 cm. How many different triangles can he make using three of these sticks?



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1.	[+ Whole	Number	s to 10]		
		11	54	6	10

	11	54	6	19	32	45	8	17	63	10
+7							************			

2. [- Whole Numbers to 10]

	15	97	20	12	53	19	61	14	16	28
- 9										

3. [× Whole Numbers to 12]

	11	12	5	10	7	9	3	6	8	4
×8										

4 [+ Whole Numbers to 12]

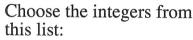
	24	42	18	48	66	72	60	36	30	54
÷ 6										

5. [Large Number +,-]

10. [Fraction \times , ÷] *

$$\frac{3}{5} \div \frac{1}{2} =$$

17. [Exploring Number]



MATH'S MATE

Term 4 - Sheet 7

Due Date:/___/

It is when we forget ourselves that we do things that are

$$\frac{7}{9}$$
, 184, -20, 3.14, 630

18. [Multiples / Factors / Primes]

Parent's Signature:

most likely to be remembered.

QUOTE OF THE WEEK

6. [Large Number ×,÷]

11. [Percents] *

If an \$80 sweater is reduced by 60%, what is the sale price?

12. [Decimals / Fractions / Percents] Complete the table:

Decimal	Fraction	Percent
		15%

7. [Decimal +,-]

13. [Integers]

$$-2 + 9 =$$

19. [Number Patterns]

Complete the pattern:
$$-25, -20, -15, -10,$$

List the prime factors of 30.

14. [Rates / Ratios] *

China issued one of the largest stamps ever, 210 mm long and 65 mm wide. Find the ratio of length to width.

20. [Expressions]

Simplify
$$e+f+f+e+f$$

8. [Decimal x,+]

$$\times 0.8$$

15. [Exponents / Square Roots] *

If v = 2, find the value of $13 - v^2$

21. [Substitution] *



9. [Fraction +,-] *

$$\frac{8}{15} + \frac{3}{5} =$$

16. [Order of Operations] *

$$5 + (8 - 4)^2 =$$

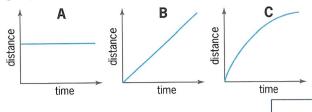


22. [Equations] *

Solve for
$$m$$
: $7 + m = 15$

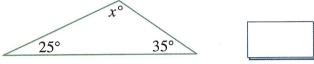
m =

Alex cycles at a constant rate. Which graph shows this?



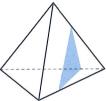
24. [Shapes] *

Find the value of x° .



25. [Exploring Geometry]

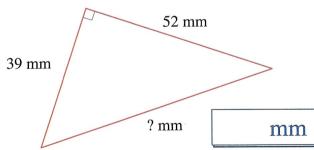
> What shape is the cross section drawn through this pyramid?



[Units of Measurement / Time] * Find the time in hours and minutes between 22:30 and 04:20 the next day.

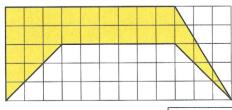
27. [Perimeter] *

The perimeter of the right triangle is 156 mm. Find the missing side length.



28. [Area / Volume] *

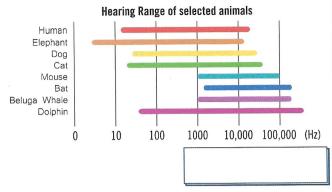
Find the area of the shaded polygon.



sq. units

29. [Statistics]

> Which animal can hear sounds with a frequency of less than 10 Hz?



30. [Probability] *

What is the probability that a person chosen at random enjoys both skating and tobogganing? [Give your answer as a fraction in simplest form.



31. [Problem Solving 1] *

A bottle of soft drink is two thirds full. One quarter of the drink is consumed. How full is the bottle now?

32. [Problem Solving 2] *

Genevieve forgot the last two digits of her four-digit locker code:

21??

If the number is divisible by 5, by 6 and by 7, what is Genevieve's locker code?



Each of the letters below represents a

different digit. If EAT = 721, what does TURKEY represent?



TURKEY =

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1.	[+ Whole Numbers to 1	0
	10 11	

	12	14	17	30	75	28	41	79	13	6
+9										

2. [- Whole Numbers to 10]

	18	22	16	39	5	27	14	3	20	11
_ 3										

3. [x Whole Numbers to 12]

	3	8	11	7	10	12	9	4	6	5
× 12										

4 f÷ Whole Numbers to 121

	28	77	56	35	49	21	63	42	84	70
÷ 7										

5. [Large Number +,-]

6. [Large Number ×,÷]

3 7

7. [Decimal +,-]

8. [Decimal x,+]

9. [Fraction +,-] *

$$\frac{7}{10} - \frac{9}{20} =$$

10. [Fraction
$$\times, \div$$
] *
$$\frac{2}{-} \div \frac{1}{-} =$$

11. [Percents] *

If an \$8000 diamond ring is discounted by 40%, what is the sale price?

12. [Decimals / Fractions / Percents] Complete the table:

Decimal	Fraction	Percent
0.6		

13. [Integers]

$$-9 + 6 =$$

14. [Rates / Ratios] * The Singapore Flyer observation wheel has a height of 16,500 cm and a diameter of 150 m. Find the ratio of diameter to height.

15. [Exponents / Square Roots] *

16. [Order of Operations] * $4 \times (8 - 3)^2 =$



MATH'S MATE



Term 4 - Sheet 8

Name:

Parent's Signature:

OUOTE OF THE WEEK

Nowadays, when buying a present, it's hard to find

17. [Exploring Number]

Choose the integers from this list:

$$8.4, -12, 17, \frac{2}{4}, 100$$

18. [Multiples / Factors / Primes] List the prime factors of 42.

19. [Number Patterns]

Complete the pattern:

20. [Expressions]

Simplify
$$h + g + h + g$$

21. [Substitution] *

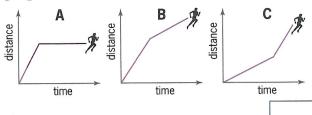
If
$$e = 5$$
, find the value of $2e^2 - 12$

22. [Equations] *

Solve for
$$v$$
: $20 - v = 6$

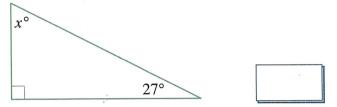
 $\nu =$

Rita jogs at a constant speed and then sprints across an intersection. Which graph shows this?



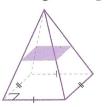
24. [Shapes] *

Find the value of x° .



25. [Exploring Geometry]

What shape is the cross section drawn through this pyramid?

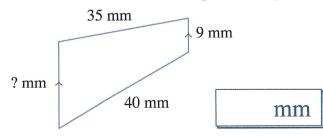


26. [Units of Measurement / Time] *

Find the time in hours and minutes between 02:25 and 15:50 on the same day.

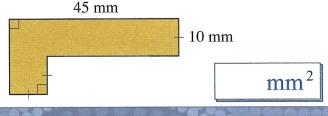
27. [Perimeter] *

The perimeter of the trapezoid is 107 mm. Find the missing side length.



28. [Area / Volume] *

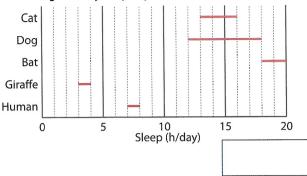
Find the area of the polygon.



29. [Statistics]

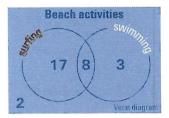
Which animal sleeps the most hours each day?

The range of daily sleep requirements for selected animals



30. [Probability] *

What is the probability that a person chosen at random went surfing? [Give your answer as a fraction in simplest form.]



31. [Problem Solving 1] *

Four darts are thrown at the target. If each dart lands on the target, how many different point totals are possible?



32. [Problem Solving 2] *

What single discount is equivalent to successive discounts of 10% and 20%?

33. [Problem Solving 3] *

Pierre de Fermat, a 17th century French lawyer, stated that any whole number can be written as the sum of four or less square numbers. For example:

$$15 = 3^2 + 2^2 + 1^2 + 1^2$$

Express 95 as such a sum.

95 =

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