		Name:					Date: _		
		Place Primary	ement ⁻ Mathe	Гes ma	t for tics 6A				
1.	Which of th	he following is not a facto	or of 84?						[1]
	A 3	B 4	C	8		D	1		
2.	Which of th	he following lists all the fa	actors of	96?					[1]
	A 1, 2, 3	, 8, 12, 32, 48, 96		B	1, 2, 3, 6,	8, 16,	24, 32,	48, 96	
	© 1, 2, 3	5, 4, 6, 8, 12, 16, 24, 32, 4	48, 96	D	1, 2, 3, 6,	8, 12,	16, 24,	32, 48, 96	3, 192
3.	Which of th	he following is not a mult	iple of 14	?					[1]
	A 21	B 28	C	42		D	70		
4.	Which of th	he following is a compos	ite numbe	er?					[1]
	A 13	B 19	C	31		\bigcirc	48		
5.	List the pri	me numbers between 1	and 10.						[1]
6.	List the pri	,,, me numbers between 20	,,) and 30.						[1]
		7							

7.	List the first 10 multiples of each number.		[2]
	(a) 7,,,,,,	,,,	
	(b) 9,,,,,,	,,	
8.	Is 2 a factor of 96? How can you find out w	vithout dividing?	[2]
9.	Estimate each sum. Select all the sums that	at are greater than 1.	[1]
		(B) $\frac{3}{5} + \frac{5}{8}$	
	© 0.66 + 0.53	D 0.468 + 0.498	
10.	Estimate each quotient. Select all the quot	ients that are less than 1.	[1]
	(A) $6\frac{1}{2} \div 5$	(B) $2\frac{5}{7} \div 5$	
	© 0.85 ÷ 0.5	D 4.6 ÷ 5	
11.	Estimate each product and fill in the blanks greater or less than 2.	s with < or >. Explain why each product is	[3]
	(a) $\frac{3}{5} \times 2$ 2 because		
	(b) $1\frac{2}{3} \times 2$ 2 because		
	(c) 1.85 × 2 2 because		

(a) $\frac{3}{8} + \frac{3}{4} =$ (b) $\frac{2}{3} - \frac{1}{5} =$

(c)
$$\frac{3}{7} \times \frac{2}{5} =$$
 (d) $\frac{4}{9} \div 8$

13. Solve.

- (a) $3.6 \times 10 =$ (b) $3.6 \times 100 =$
- (c) $3.6 \div 10 =$ (d) $3.6 \div 100 =$
- 14. Solve.
 - (a) 4.14 + 0.98 = (b) 6.87 5.56 =
 - (c) $7 \times 0.05 =$ (d) $0.23 \times 0.5 =$
 - (e) $2.5 \div 5 =$ (f) $0.25 \div 0.5 =$

[4]

[6]

3

- 15. Express the decimals as fractions in simplest form.
 - (a) 0.75 =
 - (b) 56.005 =
 - (c) 60.825 =
- 16. Express the fractions as decimals.

[4]

[3]

- (a) $\frac{1}{8} =$
- (b) $3\frac{4}{5} =$

(c)
$$2\frac{7}{20} =$$

(d)
$$3\frac{2}{100} =$$

17. Mark and label the fractions on the number line.

18.

19.



[4]

 $2\frac{3}{5}$

 $1\frac{1}{7}$

(c)

(d)

 $2\frac{3}{7}$

87





(a)
$$\frac{4}{16} = \frac{1}{8}$$
 (b) $\frac{3}{7} = \frac{1}{21}$

(c)
$$\frac{1}{24} = \frac{6}{8}$$
 (d) $\frac{2}{-1} = \frac{6}{15}$

(e)
$$\frac{24}{36} = \frac{24}{36}$$
 (f) $\frac{15}{40} = \frac{3}{36}$

[6]

27. Express the fractions in simplest form.

(a)
$$\frac{24}{42} =$$
 (b) $\frac{27}{36} =$

(c)
$$\frac{35}{70} =$$

28. Write the coordinates of the points that the line passes through. [3]



29. Multiply.

[2]

(a)
$$\frac{2}{3} \times 270 =$$
 (b) $\frac{5}{12} \times 56 =$

30.	Expres	ss the length of one bar as a fraction of the other.	[2]
	Bar A		
	Bar B		
	(a)	The length of Bar A is of the length of Bar B.	
	(b)	The length of Bar B is of the length of Bar A.	
31.	Divide		[3]
	(a)	$2.64 \div 11 =$ (b) $3.36 \div 12 =$	
	(c)	4.94 ÷ 19 =	
32.	Order	the answers in Question 31 from least to greatest.	[1]
	leas	,,,st greatest	
33.	Divide	. Round the answer to the nearest cents.	[1]
	\$2.48 -	÷ 12 = ¢	

34. Which of the following multiplication equations is true?

(A)
$$\frac{2}{3} \times 144 = 96$$

(B) $1\frac{1}{4} \times 240 = 60$
(C) $2\frac{1}{5} \times 150 = 900$
(D) $\frac{3}{8} \times 720 = 90$

36. Complete the table.

Number of Action Figures	I	2		13
Cost	\$2.50		\$12.50	

[3]

37. Plot the ordered pairs to make a line graph.





Extend the line to meet the x-axis.

Does the line pass through the point (0, 0)?

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39. Which of the following is the product of $\frac{1}{3} \times 6$?



40.	Express 0.95 as a fraction.	
	$\bigcirc 9 \\ 5 \\ \hline$	(B) $\frac{95}{10}$
	$\bigcirc \frac{9}{50}$	(D) $\frac{95}{100}$

41. A scanner can scan 30 pages in $\frac{1}{2}$ hour. At this rate, how many pages can it scan in $1\frac{1}{2}$ hours? [1] (A) 120 (B) 60

© 90	D 40

(a) $\frac{1}{5} = \frac{1}{100}$ (b) $\frac{3}{4} = \frac{1}{100}$

(c) $\frac{4}{25} = \frac{100}{100}$ (d) $\frac{14}{200} = \frac{1}{100}$

[1]

[4]

43. Write the decimals as fractions in simplest form.

- (a) 0.07 = (b) 0.99 =
- (c) 0.35 = (d) 0.44 =
- 44. Write the decimals as fractions in simplest form.

(a)	_	_	_	_				_	(b)								
()	\vdash		Ц	\rightarrow					(8)				Т	Т	Т	Г	П
			Ц										Т	Т		Г	П
			Ц							Н			+	╈	╈	\top	Н
										Н			+	+	\top	\top	П
										Н			+	+	╈	+	Н
			П	Т	Т	Т	Γ			Н			+	+	+	+	Н
			П							Н		+	+	+	╈	┢	Н
			П							Н		-	+	+	+	╈	H
			Η	╈						Н		+	+	+	+	┢	Н
	H		H	+						Н		-	+	+	+	╋	Н

45. Shade $\frac{2}{5}$ of the rectangle.

[4]

[2]

[1]

46. Write the missing decimals and fractions represented by points A, B, and C on the number line.



- 47. 6 out of 48 apples are green. The rest of the apples are red. What fraction of the apples are green? [1]
- 48. A store gives a discount of \$1 for every \$10 spent. How much will a customer save if he spends \$40? [1]
- 49. The ratio of the number of adults to children at a carnival is 4 : 5. What fraction of the people are children? [1]
- 50. Michelle donates \$5 to charity for every \$100 she earns. How much will Michelle donate if she earns \$600? [1]

[3]

- 51. Water is drained from a tank at the rate of 80 liters every 4 minutes. How many liters of water will be drained from the tank in 7 minutes? [1]
- 52. The ratio of the number of cars to the number of trucks at a parking lot is 7 : 3.There are 84 cars. How many vehicles are there in all at the parking lot? [1]

Answe	er Key					
1.	С					
2.	С					
3.	А					
4.	D					
5.	2, 3, 5,	7				
6.	23, 29					
7.	(a)	14, 21, 28, 35,	42, 49	, 56, 63, 70		
	(b)	18, 27, 36, 45,	54, 63	, 72, 81, 90		
8.	96 is a	n even number	, so 2 is	s a factor of 96	j.	
9.	B, C					
10.	B, D					
11.	(a)	$<, \frac{3}{5}$ is less that	n 1			
	(b)	>, $1\frac{2}{3}$ is greate	r than 1	l		
	(c)	>, 1.85 is grea	ter thar	n 1		
12.	(a)	$1\frac{1}{8}$	(b)	7 15		
	(c)	<u>6</u> 35	(d)	$\frac{1}{18}$		
13.	(a)	36	(b)	360		
	(c)	0.36	(d)	0.036		
14.	(a)	5.12	(b)	1.31		
	(c)	0.35	(d)	0.115		
	(e)	0.5	(f)	0.5		
15.	(a)	$\frac{3}{4}$	(b)	$56\frac{1}{200}$	(c)	$60\frac{33}{40}$
16.	(a)	0.125	(b)	3.8		
	(c)	2.35	(d)	3.02		
17.						
		$\left \frac{3}{10}\right $			$2\frac{4}{5}$	





There are 3 children for every 1 adult.

36.

Number of Action Figures	Ι	2	5	13
Cost	\$2.50	\$5	\$12.50	\$32.50





- yes
- 39. C
- 40. D
- 41. C

42.	(a)	20	(b)	75
	(c)	16	(d)	7
43.	(a)	7 100	(b)	99 100
	(c)	7 20	(s)	$\frac{11}{25}$
44.	(a)	<u>1</u> 5	(b)	$\frac{1}{4}$

45. Drawings vary. Example:



- 47. $\frac{1}{8}$ of the apples are green.
- 48. The customer will save \$4.
- 49. $\frac{5}{9}$ of the people are children.
- 50. Michelle will donate \$30.
- 51. 140 liters of water will be drained in 7 minutes.
- 52. There are 120 vehicles in all at the parking lot.