Midterm Exam Review

1.
$$-9 + -23 =$$

a)
$$-39$$
 b) -32 c) -14

b)
$$-32$$

c)
$$-14$$

2.
$$\frac{2}{5} + \frac{5}{7} =$$

a)
$$\frac{2}{7}$$
 b) $\frac{5}{9}$

c)
$$\frac{7}{12}$$

d)
$$\frac{39}{35}$$

e)
$$\frac{39}{12}$$

3.
$$-28 + 19 =$$

a)
$$-47$$
 b) -9 c) -7

b)
$$-9$$

$$c) -7$$

4.
$$-26 - 18 =$$

a)
$$-64$$

b)
$$-32$$

a)
$$-64$$
 b) -32 c) -44 d) -8

d)
$$-8$$

5.
$$\frac{3}{4} - \frac{2}{3} =$$

a)
$$\frac{5}{7}$$
 b) $\frac{1}{2}$

b)
$$\frac{1}{2}$$

c)
$$\frac{5}{12}$$

d)
$$\frac{1}{7}$$

e)
$$\frac{1}{12}$$

6.
$$-32 - (-32) =$$

a)
$$-64$$
 b) -32

b)
$$-32$$

7.
$$-15 \times 6 =$$

a)
$$-90$$

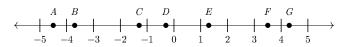
b)
$$-21$$

a)
$$-90$$
 b) -21 c) -9

d)
$$-\frac{5}{3}$$

- What is the result when the sum of 3 and -9 is subtracted from the product of -2 and 5?
 - a) -16
- b) -4
- c) 4
- d) 16
- e) 20

The distance between point F and point A is about $__$.



- a) -8
- b) -7
- c) 7
- d) 8
- e) 9

- 10. The number at point A could be _____.

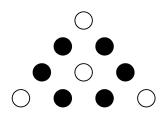
- a) -5.4 b) -4.5 c) -4.1 d) $-4\frac{9}{10}$
- e) 4.5

11. List the following fractions in order from least to greatest:

$$\frac{5}{7}$$
, $\frac{8}{10}$, $\frac{3}{4}$

- a) $\frac{3}{4}$, $\frac{8}{10}$, $\frac{5}{7}$ b) $\frac{5}{7}$, $\frac{3}{4}$, $\frac{8}{10}$ c) $\frac{5}{7}$, $\frac{8}{10}$, $\frac{3}{4}$ d) $\frac{8}{10}$, $\frac{3}{4}$, $\frac{5}{7}$ e) $\frac{3}{4}$, $\frac{5}{7}$, $\frac{8}{10}$

- 12. What fraction of the marbles are black?
 - a) $\frac{4}{5}$ b) $\frac{2}{3}$ c) $\frac{3}{5}$ d) $\frac{4}{9}$ e) $\frac{1}{3}$



- 13. $-5 \times (-6 + -9) =$ ____
 - a) -75
- b) -39
- c) 21
- d) 39
- e) 75

- 14. Evaluate: $3 \times 6 \div 2 + 6$
 - a) $\frac{4}{9}$
- b) $\frac{3}{2}$
- c) $\frac{9}{4}$
- d) 14
- e) 15

- 15. $8-2\times 4^2+36\div 6=$ ____.
 - a) -52
- b) -18
- c) 14.67
- d) 54
- e) 100
- 16. Rob delivered $\frac{1}{5}$ of his flyers in the morning and $\frac{1}{3}$ of them in the afternoon. What fraction did he have left to deliver?
 - a) $\frac{1}{8}$
- b) $\frac{7}{15}$
- c) $\frac{8}{15}$
- d) $\frac{3}{4}$
- e) $\frac{7}{8}$
- 17. I had \$96, but I spent $\frac{1}{4}$ of it on dinner. I spent $\frac{1}{9}$ of the rest on a movie, and $\frac{1}{4}$ of what was left on a gift. I spent $\frac{1}{6}$ of what remained on a taxi home. How much money was left?
- 18. Which proportions are true?

I.
$$\frac{28}{35} = \frac{12}{15}$$

II.
$$\frac{3}{16} = \frac{2}{15}$$

III.
$$\frac{14}{16} = \frac{42}{48}$$

- a) I and II
- b) I and III
- c) II and III
- d) I only
- e) none are true

19.	Solve for x : $\frac{x}{24} = \frac{6}{9}$						
	a) $\frac{16}{3}$	b) 12	c)	16	d) 18	e)	36
20.		surveyed enjoyed playi joy playing volleyball?	_	volleyball. If 492 st	tudents are surveyed,	how	many would you
	a) 98	b) 186	c)	205	d) 224	e)	287
21.		ter's class have the sar			ds. Wendy's class has	18	boys and 12 girls.
	a) 6	b) 7	c)	9	d) 10	e)	15
22.	A recipe calls for 250 equivalent ratio?	mL of sugar, 500 mL	of	oatmeal, and 750 r	nL of flour. What is	the	lowest-terms
	a) 1:2:3	b) 1:2:5	c)	1:3:2	d) 2:1:3	e)	2:3:5
23.	Tim bought 3.5 kg of	apples for \$5.25. How	m	such does 1 kg of ap	oples cost?		
	a) \$0.15	b) \$0.50	c)	\$0.67	d) \$1.05	e)	\$1.50
24.	Al made \$31.25 baby	sitting for 5 hours last	W	eek. What was Al's	s hourly wage?		
	a) \$5.00	b) \$5.65	c)	\$6.00	d) \$6.25	e)	\$8.15
25.	If 31 liters of gas cos	t \$15.47, then how mu	ch	does 1 liter cost?			

b) $\approx 32.9 \phi$ c) $\approx 47.9 \phi$ d) $\approx 49.9 \phi$ e) $\approx 54.7 \phi$

a) $\approx 20.0 \phi$

	(A) 200 copies for \$(B) 300 copies for \$				
	a) A by $0.2 \epsilon/\text{copy}$	b) B by $0.2 \epsilon/\text{copy}$	c) A by $2\phi/\text{copy}$	d) B by $2\phi/\text{copy}$	e) A by 20¢/copy
27.	Evaluate: 9 ²				
	a) 3	b) 18	c) 27	d) 36	e) 81
28.	Evaluate: 5^3				
	a) 15	b) 45	c) 125	d) 243	e) 375
29.	Evaluate: 2 ⁵				
	a) 10	b) 16	c) 25	d) 32	e) 64
30.	Evaluate: $(-3)^2$				
	a) -9	b) -6	c) 6	d) 9	e) 18
31.	Evaluate: -6^2				
	a) -48	b) -36	c) $-\frac{1}{36}$	d) $\frac{1}{36}$	e) 36
32.	Simplify: $4^5 \times 4^6$				
	a) 4 ¹¹	b) 8 ¹¹	c) 16 ¹¹	d) 4 ³⁰	e) 16 ³⁰

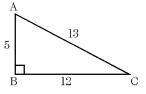
26. Which is the better buy and by how much?

33.	Simplify: $2^5 \times 2^6 \times 2^5$	2			
	a) 2 ¹	b) 2 ¹³	c) 8 ¹³	d) 2 ⁶⁰	e) 6 ⁶⁰
34.	Simplify: $\frac{6^{20}}{6^5}$				
	a) 1 ⁴	b) 1 ¹⁵	c) 6 ⁴	d) 6^{15}	e) 6^{25}
35.	Simplify: $(7^3)^4$				
	a) 21 ⁴	b) 7 ⁷	c) 7^{12}	d) 21 ¹²	e) 7 ⁸¹
36.	The two legs of a rig	ht triangle are $3.5\mathrm{cm}$	and 12 cm. What is the	ne length of the hypot	enuse?
	a) 11.5 cm	b) 12.5 cm	c) 13.5 cm	d) 14.5 cm	e) 15.5 cm
37.	The hypotenuse of a	right triangle is 27.5 c	m cm. If one leg is $22 m cm$,	, how long is the other	e leg?
	a) 5.5 cm	b) 16.5 cm	c) 15.5 cm	d) 17.5 cm	e) 35.2 cm
38.	To 1 decimal place, v	what is the perimeter	of a square whose area	is 297cm^2 ?	
	a) 34.5 cm	b) 65.3 cm	c) 68.9 cm	d) 74.3 cm	e) 87.1 cm
39.	$\sqrt{16} =$				
	a) 2	b) 4, -4	c) 4	d) 8	e) 256

- 40. Evaluate: $\sqrt{16} + \sqrt{49}$
 - a) $\sqrt{11}$
- b) $\sqrt{65}$
- c) 11
- d) 16
- e) 32.5

- 41. Evaluate: $\sqrt{25} + \sqrt{36}$
 - a) $\sqrt{11}$
- b) $\sqrt{61}$
- c) 8.7
- d) 11
- e) 30.5

- 42. What is the length of the hypotenuse in $\triangle ABC$?
 - a) 5
- b) 7
- c) 12
- d) 13
- e) 24

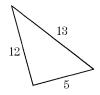


43. Determine which of the following triangles are right triangles.

I.



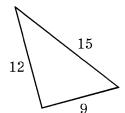
II.



III.

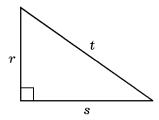


IV.

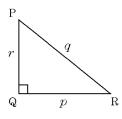


- a) I only
- b) II only
- c) III only
- d) I and IV only
- e) I, II and IV
- 44. For this triangle, which statement demonstrates the Pythagorean Property?
 - a) $r^2 + t^2 = s^2$
- b) $s^2 + t^2 = r^2$
- c) $r^2 + s^2 = t^2$

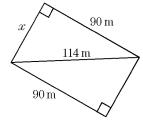
- d) s = r + 0
- e) s = r + t



- 45. In the figure, r = 16 and p = 30. What is the length of the hypotenuse of $\triangle PQR$?
 - a) 26
- b) 32
- c) 34
- d) 46
- e) 50



- 46. Find the value of x to the nearest metre.
 - a) 46 m
- b) 50 m
- c) 64 m
- d) 70 m
- e) 92 m



- 47. Express 14% as a decimal.
 - a) $\frac{0.14}{100}$
- b) 0.0014
- c) 0.014
- d) 0.14
- e) 1.4

- 48. Express 8.3% as a decimal.
 - a) $\frac{0.83}{100}$
- b) 0.0083
- c) 0.083
- d) 0.83
- e) 8.3

- 49. Express 560% as a decimal.
 - a) $\frac{0.56}{100}$
- b) 0.0056
- c) 0.56
- d) 5.6
- e) 560.0

- 50. Express $5\frac{1}{4}\%$ as a decimal.
 - a) 0.0514
- b) 0.0525
- c) 0.525
- d) 5.14
- e) 5.25

51.	. Express 45% as a fraction in lowest terms.							
	a) $\frac{9}{2000}$	b) $\frac{0.9}{20}$	c)	$\frac{9}{200}$	d)	$\frac{9}{20}$	e)	$\frac{45}{100}$
52.	Express 4.5% as a fr	action in lowest terms	•					
	a) $\frac{9}{2000}$	b) $\frac{0.9}{20}$	c)	$\frac{9}{200}$	d)	$\frac{9}{20}$	e)	$\frac{45}{100}$
53.	Express 17 as a perc	ent.						
	a) 0.17%	b) 1.7%	c)	17%	d)	170%	e)	1 700%
54.	Express 6.4 as a pere	cent.						
	a) 0.64%	b) 6.4%	c)	64%	d)	640%	e)	6400%
55.	Express 0.79 as a pe	rcent.						
	a) 0.079%	b) 0.79%	c)	7.9%	d)	79%	e)	790%
56.	Express 0.0081 as a	percent.						
	a) 0.081%	b) 0.81%	c)	8.1%	d)	81%	e)	810%
57.	What percent is 72 of	out of 120?						
	a) $\frac{3}{5}$	b) 0.6	c)	28	d)	60	e)	72
58.	To 1 decimal place,	what percent is 23 out	of	71?				
	a) 3.24	b) 28.3	c)	32.4	d)	33.9	e)	36.7

	a) 2.2	b) 22.9	c)	43.6	d) 229.3	e)	241.0
60.	What is 7% of 256?						
	a) 1.792	b) 2.733	c)	12.34	d) 17.92	e)	36.57
61.	What is 128% of 256	?					
	a) 32.768	b) 50	c)	200	d) 327.68	e)	3276.8
62.	What is 27.5% of 543	·					
	a) 1.485	b) 14.85	c)	19.64	d) 26.50	e)	50.93
63.	84 is 24% of what nu	ımber?					
	a) 20.16	b) 35	c)	285.7	d) 336	e)	350
64.	5.7 is 3.8% of what n	umber?					
	a) 1.5	b) 2.166	c)	15	d) 21.66	e)	150
65.	What is 30% of 60%	of 450?					
	a) 0.81	b) 22.5	c)	81	d) 162	e)	225

59. To 1 decimal place, what percent is 172 out of 75?

66. Complete the table.

fraction	decimal	percent
$\frac{4}{5}$		
	0.85	
		76%

67.	On a particular day 4% of the students were absent.	If there are 1750 students at the school then how
	many were absent that day?	

6	7
a	- (

68. In a shipment of batteries 4% were found to be defective. If the shipment had $2\,850$ batteries then how many were *not* defective?

- a) 114
- b) 1140
- c) 1710
- d) 2736
- e) 2846

69. A mountain bike costs the dealer \$485. If he wants to make a 20% profit, for what price should he sell the bike?

- a) \$97.00
- b) \$388.00
- c) \$505.30
- d) \$582.00
- e) \$592.00

70. A retailer buys a coat for \$120. She sells it for \$162. What percent did she mark up the coat before she sold it?

- a) 35%
- b) 42%
- c) 74%
- d) 135%
- e) 142%

71. A necklace that normally sells for \$770 is on sale for 25% off. What is the sale price?

- a) \$192.50
- b) \$250.00
- c) \$577.50
- d) \$750.75
- e) \$962.50

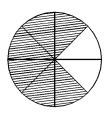
72.	A suit costs \$420 before	tax. If the	taxes am	ount to 14	%, what	is the total price paid	for the suit?
	a) \$58.80 b)	\$406.00	c)	\$434.00		d) \$468.80	e) \$478.80
73.	Complete the table.						
	(Selling) Marked Price	\$600.00	\$960.00				
	Discount (\$)		\$120.00	\$23.65	\$52.83		
	Rate of Discount (%)	16%			30%		
	Sale Price			\$94.60			
74.	What is the simple inter	rest on \$875	if the mo	oney is inv	ested at 8	8% for 3 years?	
	a) \$21 b)	\$105	c)	\$210		d) \$896	e) \$1085
75.	How much money did M	Iiranda inves	st for 5 ye	ears at $8\frac{1}{2}$	% simple	interest if the interest	earned was \$306?
	a) \$130.05 b)	\$360	c)	\$720		d) \$740	e) \$1 026
76.	Name the numerator and	d the denom	vinator for	the mive	d number	. <u>211</u>	
10.	ivame the numerator and	a the denom	imator for	. the mixe	a mamber	316.	
	a) num 11; denom 16		b) num	11; denom	3	c) num 16; c	denom 11
	d) num 3; denom 16		e) num	16; denom	3		
77.	Reduce the fraction $\frac{24}{72}$ t	o lowest terr	ms.				
	a) $\frac{1}{6}$ b)	$\frac{1}{3}$	c)) $\frac{1}{2}$		d) $\frac{2}{3}$	e) $\frac{3}{4}$

- 78. Write the fraction $\frac{40}{25}$ as a mixed number in lowest terms.
 - a) $\frac{4}{5}$
- b) $1\frac{1}{4}$
- c) $1\frac{2}{5}$
- d) $1\frac{3}{5}$
- e) $2\frac{1}{5}$

- 79. Write the mixed number $5\frac{3}{7}$ as a common fraction.
- b) $\frac{38}{7}$
- c) $\frac{39}{7}$
- d) $\frac{38}{5}$
- e) $\frac{39}{5}$

- 80. Which of the following fractions is equivalent to $\frac{5}{8}$?
 - a) $\frac{10}{32}$
- b) $\frac{14}{32}$
- c) $\frac{20}{32}$
- d) $\frac{25}{32}$
- e) $\frac{30}{32}$

- 81. $\frac{7}{10}$ is the same as _____.
- b) $\frac{16}{20}$
- c) $\frac{32}{40}$
- d) $\frac{18}{20}$
- e) $\frac{38}{40}$
- 82. What reduced fraction is represented by the shaded portion of the given figure?
 - a) $\frac{1}{3}$
- b) $\frac{2}{8}$
- c) $\frac{1}{2}$ d) $\frac{3}{4}$



- 83. Simplify: $\frac{4}{9} + \frac{7}{9}$

 - a) $\frac{1}{9}$ b) $\frac{2}{9}$
- c) $\frac{1}{3}$
- d) $\frac{11}{9}$
- e) $\frac{13}{9}$

- 84. What is $9\frac{2}{7} + 3\frac{4}{7}$?
 - a) $12\frac{5}{14}$ b) $12\frac{3}{7}$
- c) $12\frac{1}{2}$
- d) $12\frac{6}{7}$
- e) $12\frac{13}{14}$

- 85. Simplify: $\frac{1}{6} + \frac{5}{8}$
 - a) $\frac{3}{7}$ b) $\frac{19}{24}$
- c) $\frac{23}{24}$
- d) $1\frac{1}{24}$
- e) $1\frac{3}{7}$

- $86. \quad \frac{5}{12} + \frac{5}{6} + \frac{3}{8} = \underline{\hspace{1cm}}$

 - a) $\frac{1}{2}$ b) $1\frac{5}{8}$
- c) $1\frac{2}{3}$
- d) $1\frac{3}{4}$
- e) $2\frac{1}{2}$

- 87. Simplify: $3\frac{3}{8} + 1\frac{5}{16}$

 - a) $4\frac{1}{3}$ b) $4\frac{11}{16}$
- c) $4\frac{13}{16}$
- d) $5\frac{1}{8}$ e) $5\frac{1}{2}$

- 88. $\frac{7}{8} \frac{5}{8} =$ _____
 - a) $\frac{1}{8}$ b) $\frac{1}{4}$
- c) $\frac{3}{8}$
- d) $\frac{5}{8}$
- e) $\frac{3}{4}$

- 89. Simplify: $\frac{13}{9} \frac{2}{9}$

 - a) $\frac{1}{9}$ b) $\frac{11}{9}$
- c) $\frac{23}{18}$
- d) $1\frac{1}{9}$
- e) 11

- 90. What is $5\frac{1}{5} 2\frac{4}{5}$?

 - a) $2\frac{2}{5}$ b) $2\frac{3}{5}$
- c) $3\frac{1}{5}$
- d) $3\frac{3}{10}$
- e) $3\frac{1}{2}$

- 91. Simplify: $\frac{5}{8} \frac{2}{5}$
 - a) $\frac{9}{40}$ b) $\frac{1}{4}$
- c) $\frac{3}{8}$
- d) $\frac{17}{40}$
- e) $\frac{4}{5}$

- 92. Find the difference $\frac{5}{6} \frac{3}{10}$.
 - a) $\frac{2}{15}$
- b) $\frac{1}{3}$
- c) $\frac{1}{2}$
- d) $\frac{8}{15}$
- e) $\frac{3}{5}$

- 93. What is $9\frac{3}{5} 5\frac{3}{4}$?
 - a) $3\frac{7}{20}$ b) $3\frac{17}{20}$
- c) $4\frac{11}{20}$
- d) $4\frac{17}{20}$
- e) $4\frac{19}{20}$

- 94. What is $\frac{4}{15} \times \frac{10}{12}$?
 - a) $\frac{1}{9}$
- b) $\frac{2}{9}$
- c) $\frac{2}{3}$
- d) $\frac{3}{4}$
- e) $\frac{7}{8}$

- 95. What is $\frac{13}{16} \times \frac{12}{39}$?
 - a) $\frac{1}{13}$ b) $\frac{1}{12}$
- c) $\frac{1}{4}$
- d) $\frac{1}{2}$
- e) $\frac{1}{3}$

- 96. Simplify: $3 \cdot \frac{4}{15}$
 - a) $\frac{4}{45}$
- b) $\frac{4}{5}$
- c) $\frac{14}{15}$
- d) 2
- e) $3\frac{4}{5}$

- 97. Simplify: $4\frac{1}{2} \times 3\frac{1}{3}$
 - a) $12\frac{1}{6}$
- b) 15
- c) $15\frac{1}{3}$
- d) $15\frac{2}{3}$
- e) 16

- 98. What is $\frac{7}{9} \cdot \frac{3}{4} \cdot \frac{8}{11}$?
 - a) $\frac{14}{33}$
- b) $\frac{5}{11}$
- c) 1
- d) $1\frac{14}{33}$
- e) $1\frac{3}{11}$

- 99. Simplify: $\frac{1}{6} \div \frac{1}{3}$
 - a) $\frac{1}{18}$
- b) $\frac{1}{9}$
- c) $\frac{1}{2}$
- d) $\frac{2}{3}$
- e) 1

- 100. $\frac{5}{6} \div \frac{7}{9} =$ _____
 - a) $\frac{1}{14}$
- b) $\frac{2}{7}$
- c) $1\frac{1}{14}$
- d) $2\frac{3}{14}$
- e) 5

- 101. What is $8 \div \frac{4}{5}$?
 - a) $6\frac{2}{5}$
- b) 10
- c) $12\frac{2}{5}$
- d) 14
- e) $16\frac{3}{5}$

- 102. Simplify: $2\frac{5}{8} \div 9$
 - a) $\frac{1}{4}$
- b) $\frac{7}{24}$
- c) $1\frac{1}{12}$ d) $1\frac{7}{24}$
- e) $2\frac{1}{3}$

- 103. Simplify: $2\frac{2}{5} \div 3\frac{3}{7}$
 - a) $\frac{1}{20}$
- b) $\frac{3}{10}$
- c) $\frac{1}{2}$
- d) $\frac{11}{20}$
- e) $\frac{7}{10}$

- 104. Write the decimal 23.8 in words.
 - a) twenty-three and eight tenths

b) two hundred thirty-eight hundredths

c) twenty-three and eight ones

d) twenty-three point eight tenths

- e) twenty-three and eight
- 105. What decimal is represented by the phrase "eight and nine hundred eleven thousandths"?
 - a) 8.019
- b) 8.091
- c) 8.901
- d) 8.91
- e) 8.911

06. What is the place value for the digit 9 in the decimal 7.8019?						
a) ten-thousandths	b) thousandths	c) hundredths	d) tenths	e) units		
What is the place val	lue for the digit 9 in t	he decimal 16.901?				
a) ten-thousandths	b) thousandths	c) hundredths	d) tenths	e) units		
Simplify: $2.45 + 3.209$	9 + 7.4					
a) 3.528	b) 13.059	c) 13.59	d) 14	e) 35.28		
36.3 - 18.08 =						
a) 18.12	b) 18.22	c) 19.22	d) 19.32	e) 19.52		
Simplify: 5.12×6.4						
a) 23.988	b) 27.218	c) 30.218	d) 32.768	e) 39.728		
What is 262 5 + 252						
a) 1.054	b) 1.54	c) 10.504	d) 10.54	e) 1540		
Simplify: $4.2\overline{\smash{\big)}26.88}$						
a) 0.64	b) 6.04	c) 6.4	d) 60.04	e) 64		
	a) ten-thousandths What is the place value a) ten-thousandths Simplify: $2.45 + 3.209$ a) 3.528 $36.3 - 18.08 = $ a) 18.12 Simplify: 5.12×6.4 a) 23.988 What is $263.5 \div 25$? a) 1.054 Simplify: $4.2 \) 26.88$	a) ten-thousandths b) thousandths What is the place value for the digit 9 in t a) ten-thousandths b) thousandths Simplify: $2.45 + 3.209 + 7.4$ a) 3.528 b) 13.059 $36.3 - 18.08 =$ a) 18.12 b) 18.22 Simplify: 5.12×6.4 a) 23.988 b) 27.218 What is $263.5 \div 25$? a) 1.054 b) 1.54	a) ten-thousandths b) thousandths c) hundredths What is the place value for the digit 9 in the decimal 16.901? a) ten-thousandths b) thousandths c) hundredths Simplify: 2.45 + 3.209 + 7.4 a) 3.528 b) 13.059 c) 13.59 36.3 - 18.08 = a) 18.12 b) 18.22 c) 19.22 Simplify: 5.12 × 6.4 a) 23.988 b) 27.218 c) 30.218 What is 263.5 ÷ 25? a) 1.054 b) 1.54 c) 10.504 Simplify: 4.2) 26.88	a) ten-thousandths b) thousandths c) hundredths d) tenths What is the place value for the digit 9 in the decimal 16.901? a) ten-thousandths b) thousandths c) hundredths d) tenths Simplify: 2.45 + 3.209 + 7.4 a) 3.528 b) 13.059 c) 13.59 d) 14 36.3 - 18.08 = a) 18.12 b) 18.22 c) 19.22 d) 19.32 Simplify: 5.12 × 6.4 a) 23.988 b) 27.218 c) 30.218 d) 32.768 What is 263.5 ÷ 25? a) 1.054 b) 1.54 c) 10.504 d) 10.54 Simplify: 4.2) 26.88		

113.	Emily bought two-fifth	s of a ton	of hay	and	three-fourths	of a	ton	of o	oats	to	feed	her	animals.	How	many
	tons of feed did Emily	purchase?	•												

- a) $\frac{5}{9}$ ton

- b) 1 ton c) $1\frac{1}{10}$ tons d) $1\frac{1}{5}$ tons e) $1\frac{3}{20}$ tons

114. Mrs. Mendoza bought $10\frac{1}{3}$ pounds of ground beef. She used $6\frac{1}{2}$ pounds to make hamburgers. How much ground beef did she have left?

- a) $2\frac{3}{4}$ pounds b) $2\frac{7}{8}$ pounds c) $3\frac{1}{6}$ pounds d) $3\frac{2}{3}$ pounds e) $3\frac{5}{6}$ pounds

115. Find the number of $2\frac{1}{2}$ foot long shelves that can be cut from a piece of wood that is 20 feet long.

- a) 8 shelves
- b) 9 shelves
- c) 10 shelves
- d) 11 shelves
- e) 12 shelves

116. With the current weather conditions, a sailboat can sail $5\frac{1}{2}$ miles in an hour. How far can the sailboat sail in $\frac{2}{3}$ hour?

- a) $2\frac{1}{6}$ miles

- b) $2\frac{1}{3}$ miles c) $2\frac{5}{6}$ miles d) $3\frac{1}{2}$ miles e) $3\frac{2}{3}$ miles

117. Rearrange the following integers from greatest to least: -9, -18, 3, 15, -2.

- a) 15, 3, -2, -9, -18
- b) 15, 3, -18, -9, -2
- c) -18, 15, -9, 3, -2

- d) 3, 15, -18, -9, -2
- e) 15, -18, -9, 3, -2

118. Simplify: $\frac{1}{2} \times \frac{1}{3} + \frac{1}{4} \div \frac{1}{5}$

119. Compute: $\left(\frac{3}{4} \cdot \frac{5}{6}\right) \div \frac{5}{8}$.

120. Simplify:
$$-6 \cdot (10 - 3^2)$$

121. Simplify:
$$-3 \cdot (5 - 8 \cdot 4) + 4$$

122. Simplify:
$$(-4 \times 7) \div -2 + 6$$

123. Simplify:
$$3 + 6^2 - 3 \times 4 \div 2$$

124. Round to the nearest thousandth: 36.268492

125. Round 321.549 to the nearest tenth.

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Midterm Exam Review 18/01/2011

1.		15.	
Answer:	b	Answer:	b
CodePath:	EAS.CM2.B.A.2	CodePath:	EAS.CM2.B.B.56
2.		16.	
Answer:	d	Answer:	b
CodePath:	EAS.CM2.B.A.10	CodePath:	EAS.CM2.B.B.101
3.		17.	
Answer:	b	Answer:	\$40
CodePath:	EAS.CM2.B.A.21	CodePath:	
4.		18.	
Answer:	c	Answer:	b
CodePath:	EAS.CM2.B.A.36	CodePath:	
5.			
Answer:	e	19. Answer:	
	EAS.CM2.B.A.43		$^{ m c}$ EAS.CM2.B.E.7
6.			EAD.OMZ.D.E.
Answer:	c	20.	
	EAS.CM2.B.A.53	Answer:	c EAS.CM2.B.E.13
7.			EA5.CM2.D.E.13
Answer:	a	21.	
	EAS.CM2.B.A.83	Answer:	
8.	222702722027200	CodePath:	EAS.CM2.B.E.19
Answer:	b	22.	
	EAS.CM2.B.A.109	Answer:	a
9.	Biisi Cirizi Birii 100	CodePath:	EAS.CM2.B.E.33
9. Answer:	d	23.	
	EAS.CM2.B.B.5	Answer:	e
10.	E115.C112.B.B.0	CodePath:	EAS.CM2.B.E.53
Answer:	b	24.	
	EAS.CM2.B.B.1	Answer:	d
	E115.CM2.B.1	CodePath:	EAS.CM2.B.E.55
11. Answer:	b	25.	
CodePath:	EAS.CM2.B.B.11	Answer:	d
	EAS.CM2.B.B.11	CodePath:	EAS.CM2.B.E.58
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EAS.CM2.B.B.45

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28.		43.	
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29. Answer:	d	Answer:	c
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		45.	
30. Answer:	d	Answer:	\mathbf{c}
CodePath:	EAS.CM2.A.A.9	CodePath:	EAS.CM2.I.A.11
31.	D128.702.112.1110	46.	
Answer:	b	Answer:	d
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32.	2128. (C.11 2 1121122	47.	
32. Answer:	a	Answer:	d
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	BIISTONIE IIII	48.	
33. Answer:	b	Answer:	C
CodePath:	EAS.CM2.A.A.57	CodePath:	EAS.CM2.B.F.3
34.		49.	•
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35.		50. Answer:	L.
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	D110.0112.11.11.01	Answer:	d
36. Answer:	b	CodePath:	EAS.CM2.B.F.13
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37.	Brig.C.NE.ii.B.01	Answer:	c
Answer:	b	CodePath:	EAS.CM2.B.F.15
CodePath:	EAS.CM2.A.E.33	53.	
38.	2128.1011 2 1121.2100	Answer:	e
oo. Answer:	c	$\operatorname{CodePath}:$	EAS.CM2.B.F.17
CodePath:	EAS.CM2.A.E.36	54.	
39.		Answer:	d
Answer:	c	CodePath:	EAS.CM2.B.F.19
CodePath:	EAS.CM2.C.A.1	55.	
40.		Answer:	d
Answer:	c	CodePath:	EAS.CM2.B.F.22
CodePath:	EAS.CM2.C.A.6	56.	,
41.		Answer:	b EAC CMO D E OC
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42.		Answer: CodePath:	EAS.CM2.B.F.28
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59. Answer: d **EAS.CM2.B.F.33** CodePath: 60. Answer: CodePath: EAS.CM2.B.F.35 61. Answer: d EAS.CM2.B.F.39 CodePath: 62. Answer: b CodePath: EAS.CM2.B.F.42 63. Answer: CodePath: EAS.CM2.B.F.45 64. Answer: CodePath: EAS.CM2.B.F.47 65. Answer: EAS.CM2.B.F.49 CodePath: 66. Answer: (top to bottom) 0.8, 80%; $\frac{17}{20}$, 85%; $\frac{19}{25}$, 0.76 EAS.CM2.B.F.54 CodePath: 67. Answer: CodePath: EAS.CM2.B.G.5 68. Answer: d CodePath: EAS.CM2.B.G.8 69. Answer: CodePath: EAS.CM2.B.G.17 70. Answer: CodePath: EAS.CM2.B.G.19 71. Answer: CodePath: EAS.CM2.B.G.23 72. Answer: CodePath: EAS.CM2.B.G.29 73. Answer: Columns: \$96, \$504, 12.5\%, \$840, \$118.25, 20%, \$176.10, \$123.27 CodePath: **EAS.CM2.B.G.63**

74. Answer: EAS.CM2.B.H.3 CodePath: 75. Answer: CodePath: EAS.CM2.B.H.16 76. Answer: EAS.MMA.B.F.3 CodePath: 77. Answer: b CodePath: EAS.MMA.B.F.7 78. Answer: d CodePath: EAS.MMA.B.F.9 79. Answer: b CodePath: EAS.MMA.B.F.11 80. Answer: CodePath: EAS.MMA.B.F.14 81. Answer: CodePath: EAS.MMA.B.F.16 82. Answer: CodePath: EAS.MMA.B.F.23 83. Answer: CodePath: EAS.MMA.B.J.684. Answer: CodePath: EAS.MMA.B.J.1585. Answer: CodePath: EAS.MMA.B.J.26 86. Answer: CodePath: EAS.MMA.B.J.35 87. Answer: CodePath: EAS.MMA.B.J.37 88. Answer: b CodePath: EAS.MMA.B.J.44

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90. Answer: a	Answer:	b	Answer:	a
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120.

Answer: -6

CodePath: EAS.MCH.A.G.5

121.

Answer: 85

CodePath: EAS.MCH.A.G.3

122.

Answer: 20

CodePath: EAS.MCH.A.G.26

123.

Answer: 33

CodePath: EAS.MCH.A.G.64

124.

Answer: 36.268

CodePath: EAS.MCH.A.E.29

125.

Answer: 321.5

CodePath: EAS.MCH.A.E.30