Basic College Mathematics 3rd Edition Miller Test Bank

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

1) Identify the numerator as	nd the denominator.	$\frac{7}{4}$		1)
2) Write the fraction as a di	ivision problem and si	mplify, if possible.	$\frac{5}{1}$	2)
3) Write the fraction as a di	ivision problem and si	mplify, if possible.	$\frac{9}{9}$	3)
MULTIPLE CHOICE. Choose the or	ne alternative that best	completes the staten	nent or answers the	question.
4) Write the fraction as a di	ivision problem and si	mplify, if possible.	$\frac{0}{4}$	4)
A) $4 \div 0; 0$		B) $0 \div 4; 0$		
C) $0 \div 4$; undefined		D) $4 \div 0$; undefined	ned	
5) Write the fraction as a di A) $4 \div 0$; 0 C) $0 \div 4$; undefined	ivision problem and si	mplify, if possible. B) $4 \div 0$; undefin D) $0 \div 4$; 0	0	5)
		, - · , -		
SHORT ANSWER. Write the word of	or phrase that best com	pletes each statemen	nt or answers the qu	estion.
6) Write a fraction that repr	resents the shaded are	a.		6)
MULTIPLE CHOICE. Choose the or	ne alternative that best	completes the staten	ment or answers the	question.
7) Write a fraction that repr	resents the shaded are	a.		7)
A) $\frac{5}{3}$	_, 1	. 3	_ 2	
	B) —	() —	D) —	
3	B) $\frac{1}{2}$	C) $\frac{3}{5}$	D) $\frac{2}{5}$	

1

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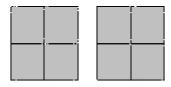
8) A class has 23 children, 8 girls and 15 boys. What fraction of the class is made up
 8) ______
 of boys?

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

9) Label the fraction as proper or improper.	$\frac{4}{9}$		9)
A) proper		B) improper	
10) Label the fraction as proper or improper.A) proper	$\frac{6}{6}$	B) improper	10)
11) Label the fraction as proper or improper.	$\frac{11}{6}$	-) mproper	11)
A) proper	-	B) improper	

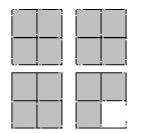
SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

12) Write an improper fraction for the shaded portion of the group of figures. 12)



 13) Write an improper fraction and a mixed number for the shaded portion of the
 13) ______

 group of figures.
 13) ______



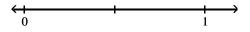
14) Convert the mixed number to an improper fraction.
$$3\frac{5}{6}$$
 14) _____

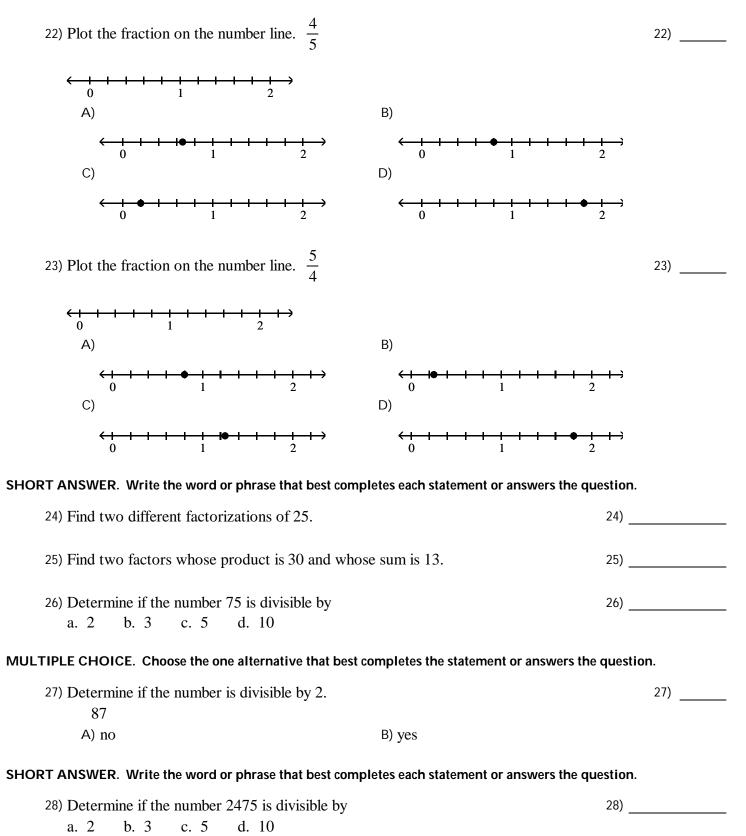
A)
$$\frac{25}{6}$$
 B) $\frac{7}{3}$ C) $\frac{19}{2}$ D) $\frac{23}{6}$

15) Convert the mixed number to an improper fraction. $16\frac{5}{9}$ 15) _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

16) Convert the improper fraction to a mixed number. $\frac{16}{7}$ 16) _____ A) $2\frac{2}{7}$ B) $7\frac{1}{16}$ C) $2\frac{1}{8}$ D) $16\frac{1}{7}$ 17) Convert the improper fraction to a mixed number. $\frac{43}{9}$ 17) _____ B) $1\frac{7}{9}$ C) $\frac{7}{9}$ D) 47 A) $36\frac{7}{9}$ SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question. 18) Convert the improper fraction to a mixed number. $\frac{35}{9}$ 18) _____ 19) Divide. Write the quotient as a mixed number. $10\overline{)737}$ 19) _____ 20) Divide. Write the quotient as a mixed number. $3191 \div 16$ 20) 21) Plot the fraction on the number line. $\frac{4}{5}$ 21)

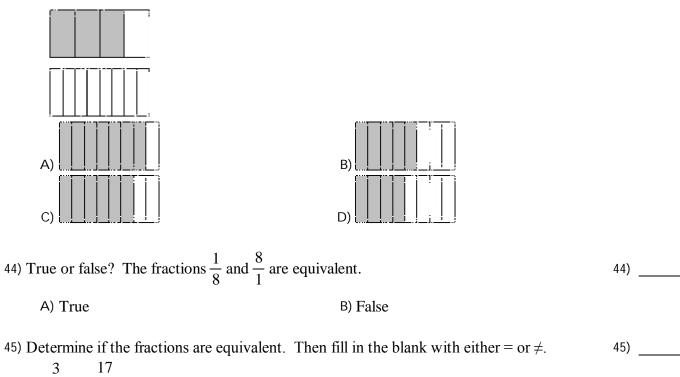




to her students?			
A) no	B) yes		
30) The number 31 is			30)
A) prime			
B) composite			
C) neither prime nor composite			
31) The number 1 is			31)
A) composite			
B) prime			
C) neither prime nor composite			
32) The number 0 is			32)
A) neither prime nor composite			
B) composite			
C) prime			
			22)
33) <u>True or false?</u> 59 is a composite number.			33)
A) True	B) False		
34) Determine whether or not the factorizatio	on $90 = 3 \cdot 3 \cdot 10$ represents the j	orime	34)
factorization. If not, explain why.			
A) No, 90 does not equal $3 \cdot 3 \cdot 10$	B) No, 10 is not a prime	number.	
C) No, 3 appears twice.	D) Yes.		
ORT ANSWER. Write the word or phrase that best	completes each statement or answ	vers the question.	
35) Find the prime factorization of 41.		35)	
36) Find the prime factorization of 40.		36)	
37) Find the prime factorization of 225.		37)	
LTIPLE CHOICE. Choose the one alternative that	best completes the statement or a	nswers the questic	on.
		-	38)
38) I jet all of the factors of the number			
38) List all of the factors of the number.9			

39) List all of the factors of the number.14				39)
A) 1, 2, 14	B) 1, 14	C) 1, 2, 7, 14	D) 1, 2, 7	
40) List all of the fact 37	ors of the number.			40)
A) 6, 37	B) 1, 6, 37	C) 37	D) 1, 37	
41) List all of the fact 117	ors of the number.			41)
A) 3, 9, 13, 39		B) 1, 3, 9, 13, 39,	117	
C) 1, 3, 9, 13, 3	9	D) 1, 3, 13, 117		
42) List all of the factors of the number.83				
A) 1, 9, 83	B) 9, 83	C) 1, 83	D) 83	

43) Shade the second figure so that it expresses a fraction equivalent to the first figure. 43)



$\frac{3}{17}$	
$\overline{4} - \overline{24}$	
A) =	B) ≠

46) Determine if the f $\frac{1}{7} - \frac{7}{49}$	ractions are equivalent.	Then fill in the blank	with either = or \neq .	46)
A) ≠		B) =		
47) Determine if the f $\frac{9}{24} - \frac{3}{8}$	ractions are equivalent.	Then fill in the blank	with either = or \neq .	47)
A) ≠		B) =		
SHORT ANSWER. Write the	word or phrase that bes	t completes each statem	ient or answers the qu	lestion.
48) Simplify the fracti number. <u>54</u> 9	on to lowest terms. Wr	rite the answer as a fra	action or whole	48)
49) Simplify the fraction number. <u>9</u> <u>81</u>	on to lowest terms. Wr	rite the answer as a fra	action or whole	49)
MULTIPLE CHOICE. Choose	e the one alternative that	t best completes the stat	tement or answers the	question.
50) Simplify the fracting $\frac{12}{20}$	on to lowest terms. Wr	rite the answer as a fra	action or whole num	ber. 50)
A) $\frac{3}{5}$	B) $\frac{6}{20}$	C) $\frac{3}{10}$	D) $\frac{6}{10}$	
SHORT ANSWER. Write the	word or phrase that bes	t completes each statem	ient or answers the qu	lestion.
51) Simplify the fracti number. <u>44</u> 99	on to lowest terms. Wr	rite the answer as a fra	action or whole	51)
52) Simplify the fracti number. <u>16</u> 16	on to lowest terms. Wr	rite the answer as a fra	action or whole	52)

53) Simplify the fract number. $\frac{21}{14}$	ion to lowest terms.	Write the answer as a fract	tion or whole 53	3)
54) Simplify to lowes $\frac{1600}{2000}$	t terms by first reduc	ing the powers of 10.	54	!)
55) Simplify the fract number. <u>80</u> 130	ion to lowest terms.	Write the answer as a fract	tion or whole 55	j)
MULTIPLE CHOICE. Choose	se the one alternative	that best completes the stater	ment or answers the qu	estion.
56) Simplify the fract $\frac{70}{120}$	ion to lowest terms.	Write the answer as a fract	tion or whole number.	56)
A) $\frac{35}{6}$	B) $\frac{7}{120}$	C) $\frac{7}{12}$	D) 10	
57) Simplify the fract $\frac{9-5}{9+3}$	ion to lowest terms.	Write the answer as a fract	tion or whole number.	57)
A) 1	$B)\frac{1}{3}$	C) $\frac{7}{6}$	D) $\frac{5}{3}$	
58) $\frac{6-3}{9-9}$				58)
A) $\frac{1}{2}$	B) ()	C) $\frac{1}{6}$	D) undefined	
-	eads? What fraction	Is came up 14 times. What al part came up tails? B) heads: $\frac{4}{11}$; ta	_	59)
C) heads: $\frac{22}{7}$;	tails: $\frac{22}{15}$	D) heads: $\frac{15}{22}$; ta	uils: $\frac{7}{22}$	

60) At a raffle, Bill purchased 2 tickets. If 40 tickets were sold, what fraction of the 60) _____ tickets does Bill have? 61) Allen and Rajiv worked on their homework together. Allen finished 18 of the 30 61) problems he was assigned, and Rajiv finished 28 of the 35 problems he was assigned. a. What fractional part of his total number of homework problems did each boy finish? b. Which boy finished the greater fractional part? MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question. 62) Multiply and simplify to lowest terms. Write the answer as a fraction or whole number. 62) _____ 5 B) $\frac{280}{35}$ C) $\frac{56}{7}$ D) $\frac{40}{5}$ A) 8 63) Multiply and write the answer as a fraction. 63) _____ $\left(\frac{2}{9}\right)\left(\frac{4}{5}\right)$ A) $\frac{5}{18}$ D) $\frac{360}{45}$ B) $\frac{4}{7}$ C) $\frac{8}{45}$ SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

64) Multiply and write the answer as a fraction.

 $\frac{1}{4} \cdot \frac{5}{9}$

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

64) _____

$$\begin{bmatrix} \frac{8}{7} \end{bmatrix} \begin{bmatrix} \frac{4}{3} \end{bmatrix}$$

$$A) \frac{6}{5} \qquad B) \frac{32}{21} \qquad C) \frac{2}{21} \qquad D) \frac{6}{7}$$

- 66) Multiply and write the answer as a fraction. Write the answer as a fraction or66) ______66) ______
 - $9 \cdot \left(\frac{3}{8}\right)$

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- - $\frac{2}{7} \cdot 2$
 - A) $\frac{1}{14}$ B) $\frac{1}{7}$ C) $\frac{4}{7}$ D) $\frac{16}{7}$

68) Multiply and simplify to lowest terms. Write the answer as a fraction or whole number. 68)

$\left(\frac{32}{5}\right)\left(\frac{35}{20}\right)$			
A) $\frac{52}{5}$	B) <u>56</u>	C) $\frac{58}{5}$	D) $\frac{54}{5}$

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

69) Multiply and simplify to lowest terms. Write the answer as a fraction or whole69) _____69) _____

 $\left(\frac{6}{7}\right)\left(\frac{35}{12}\right)$

70) Simplify the power of $\frac{1}{10}$.

 $\left(\frac{1}{10}\right)^{\prime}$

71) Simplify. Write the answer as a fraction or whole number $\begin{bmatrix} 1\\7 \end{bmatrix}^2$

70) _____

72) Simplify. Write the answer as a fraction or whole number.
 72)

$$\left(\frac{5}{3}\right)^{\frac{3}{3}}$$
 B) $\frac{5}{27}$
 C) $\frac{15}{9}$
 D) $\frac{125}{27}$

 73) Simplify. Write the answer as a fraction or whole number.
 73)
 ...

 $\left(\frac{3}{3} \cdot \frac{5}{3}\right)^{\frac{3}{3}}$
 B) 27
 C) $\frac{125}{729}$
 D) 125

 74) Simplify. Write the answer as a fraction or whole number.
 74)
 ...

 $\left(\frac{1}{40} \cdot \frac{5}{2}\right)^2$
 B) 27
 C) $\frac{125}{729}$
 D) 125

 74) Simplify. Write the answer as a fraction or whole number.
 74)
 ...

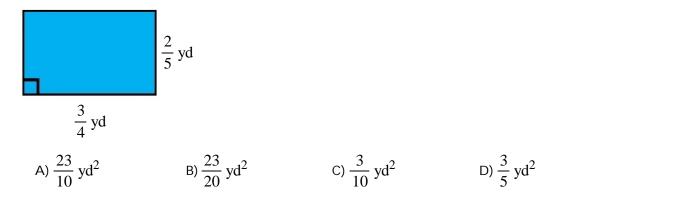
 $\left(\frac{1}{40} \cdot \frac{5}{2}\right)^2$
 B) $\frac{12}{84}$
 C) $\frac{1}{16}$
 D) $\frac{1}{7}$

 75) $\frac{175}{24} \cdot \left(\frac{3}{5}\right)^2$
 B) $\frac{21}{8}$
 C) $\frac{181}{34}$
 D) $\frac{178}{29}$

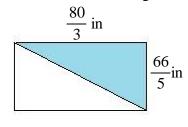
 76) Find the area of the figure.
 76)
 ...
 ...

 4
 154 cm²
 B) 76 cm²
 C) 74 cm²
 D) 152 cm²

77) Find the area of the figure.



78) Find the area of the shaded region.



A) 352 in^2 B) 704 in² C) 348 in^2 D) 176 in²

79) Find the area of the figure.

 $\frac{8}{9}$ mm

3 mm

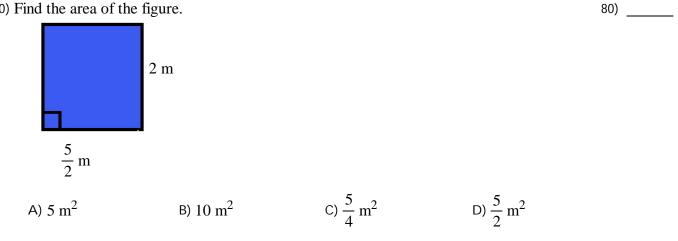
A) $\frac{4}{3}$ mm² B) $\frac{8}{3}$ mm² C) $\frac{8}{27}$ mm² D) $\frac{4}{27}$ mm²

79) _____

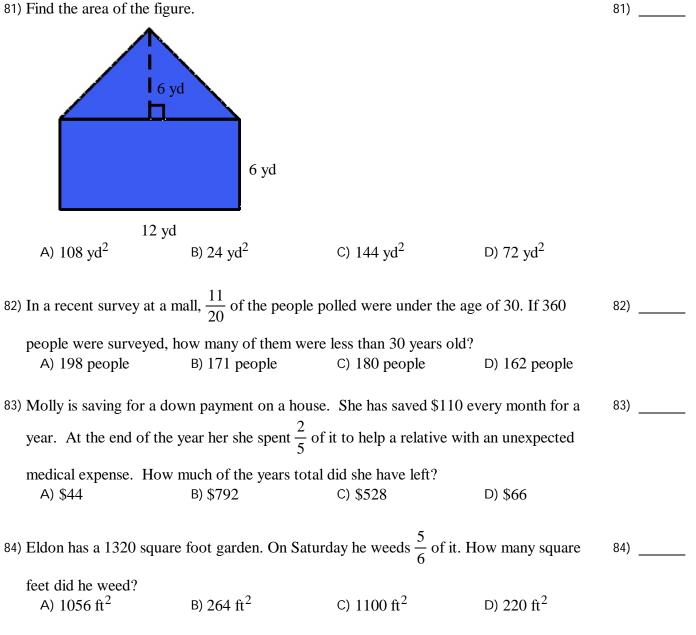
78) _____



80) Find the area of the figure.



81) Find the area of the figure.



85) At a resta	urant, all of the tips are put	into a fund and each week	the chef gets $\frac{1}{5}$ of the	85)
fund and	the rest is split evenly over w much should each of the	the servers. If the tip fund		
A) \$182		C) \$608	D) \$152	
team had a	inning of the 2002 season, a salary of over 1 million do ter. How many were making	ollars per year. There are		86)
A) 17	В) 20	C) 15	D) 12	
midnight o	safety organization has est on weekends is legally intox uring this time period, how xicated?	kicated. If there are 210 da	rivers on a stretch of	87)
A) 126	B) 42	C) 84	D) 37	
SHORT ANSWER. V	Vrite the word or phrase that	best completes each statem	ent or answers the questio	n.
	eciprocal of the number, if i	it exists.	88)	
$\frac{5}{3}$				
MULTIPLE CHOICE	. Choose the one alternative	that best completes the stat	ement or answers the ques	stion.
89) Find the re	eciprocal of the number, if i	it exists.		89)
A) 3		B) $\frac{1}{3}$		
C) 1		D) No recipro	cal exists.	
90) Find the re $\frac{0}{7}$	eciprocal of the number, if i	it exists.		90)
A) $\frac{7}{0}$		B) ()		

- 91) Fill in the blank. 91) _____ Dividing by 7 is the same as multiplying by . MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question. 92) Divide and simplify the answer to lowest terms. Write the answer as a fraction or whole 92) number. $\frac{5}{4} \div \frac{1}{4}$ A) $\frac{5}{16}$ B) $\frac{1}{5}$ C) 5 D) 20 SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question. 93) Divide and simplify the answer to lowest terms. Write the answer as a fraction or 93) whole number. $\frac{5}{12} \div \frac{1}{18}$ MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question. 94) Divide and simplify the answer to lowest terms. Write the answer as a fraction or whole 94) number.
 - A) $\frac{8}{3}$ B) $\frac{25}{54}$ C) $\frac{54}{25}$ D) $\frac{3}{8}$

 $\frac{9}{8} \div \left(\frac{9}{2}\right)$ A) $\frac{1}{4}$ B) $\frac{11}{17}$ C) 4
D) $\frac{81}{16}$

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

- - $\frac{7}{5} \div \frac{7}{5}$

$$3 \div \frac{2}{9}$$

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 98) Divide and simplify the answer to lowest terms. Write the answer as a fraction or whole 98) _____ number. $\frac{9}{8} \div 3$ A) $\frac{27}{8}$ B) $\frac{3}{8}$ C) $\frac{24}{9}$ D) $\frac{9}{24}$
- 99) $\left[\frac{63}{25}\right] \div \left[\frac{3}{5}\right] \div 7$ A) $\frac{3}{5}$ B) $\frac{27}{125}$ C) $\frac{147}{5}$ D) $\frac{1323}{125}$
- $100) \frac{7}{20} \div \left(\frac{1}{2}\right)^2$ $A) \frac{7}{10} \qquad B) \frac{7}{80} \qquad C) \frac{7}{5} \qquad D) \frac{7}{40}$ $100) _$

101)
$$\frac{8}{27} \cdot \left(\frac{3}{4}\right)^2 \div \frac{7}{18}$$

A) $\frac{4}{7}$
B) $\frac{7}{81}$
C) $\frac{7}{108}$
D) $\frac{3}{7}$

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

- a. How many pages has he read?
- b. How many pages does he still have to read?

103) A recipe calls for $\frac{1}{3}$ c	103) A recipe calls for $\frac{1}{3}$ cup of water. If the recipe is being tripled, how much water should			
be used?				
A) 1 cup	B) $\frac{1}{3}$ cup	C) 3 cups	D) $\frac{1}{9}$ cup	
	J		,	
104) Joseph exercises 5 tin	thes a day for $\frac{1}{2}$ hours	per exercise session. Ho	w many hours does he	104)
exercise per day?				
A) $\frac{5}{2}$ hours per day		B) 5 hours per day	7	
C) $\frac{1}{2}$ hours per day		D) $\frac{7}{4}$ hours per da	у	
105) A developer sells resi	dential home sites in $\frac{2}{4}$	$\frac{3}{4}$ acre lots. If the develo	per has 600 acres,	105)
how many lots can be	sold?			
A) 400 acres	B) 450 acres	C) 900 acres	D) 800 acres	
106) A television station al	lows 12 minutes of ad	lvertising each hour. Ho	w many 45-second	106)
$\left(\frac{3}{4}\text{-minute}\right)$ commercia	als can be run in			
B) a. 16 commercia C) a. 96 commercia	lls per hr; b. 384 comi lls per hr; b. 384 comi lls per hr; b. 540 comi lls per hr; b. 540 comi	nercials per day nercials per day		
107) Multiply. Write the answer as a mixed number or whole number. $4\frac{1}{6} \cdot \frac{3}{5}$				107)
A) $2\frac{1}{5}$	в) 4 <u>1</u> 10	C) $4\frac{2}{5}$	D) $2\frac{1}{2}$	

108) Multiply. Write the answer as a mixed number or whole number.

$$2\frac{2}{3} \cdot 0$$

C) 2 D)
$$\frac{2}{3}$$

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

109) Multiply. Write the answer as a mixed number or whole number. 109) $\left[4\frac{2}{3} \right] \left[1\frac{1}{4} \right]$

108) _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

 110) Multiply. Write the answer as a mixed number or whole number.
 110)

$$5\frac{1}{3} \cdot 1\frac{1}{4}$$

A) $6\frac{1}{12}$ B) $6\frac{2}{3}$ C) $5\frac{2}{3}$ D) $5\frac{1}{12}$

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

111) Multiply. Write the answer as a mixed number or whole number. 111) _____ $\left(5\frac{1}{5}\right) \cdot 5$

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

112) Divide. Write the answer as a mixed number, proper fraction, or whole number. 112) _____

$$3\frac{4}{5} \div \frac{1}{5}$$

A) 19 B) $3\frac{1}{4}$ C) 7 D) $3\frac{4}{25}$

113) Divide. Write the answer as a mixed number, proper fraction, or whole number.

 $0 \div 4\frac{1}{2}$ A) 0
B) Cannot be divided.
C) $4\frac{1}{2}$ D) 4
SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.
114) Divide. Write the answer as a mixed number, proper fraction, or whole number. $114) \frac{6}{4} \div 1\frac{1}{4}$ MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.
115) Divide. Write the answer as a mixed number, proper fraction, or whole number. $115) \text{ Divide. Write the answer as a mixed number, proper fraction, or whole number.
<math display="block">115) \text{ Divide. Write the answer as a mixed number, proper fraction, or whole number.
<math display="block">115) \text{ Divide. Write the answer as a mixed number, proper fraction, or whole number.
} A) \frac{13}{10} \div 3\frac{2}{5}$ A) $\frac{13}{17}$ B) $7\frac{3}{20}$ C) $\frac{13}{34}$ D) $3\frac{1}{3}$

113) _____

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

116) Divide. Write the answer as a mixed number, proper fraction, or whole number. 116)

$$18\frac{7}{10} \div 5\frac{1}{2}$$

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

117) Divide. Write the answer as a mixed number, proper fraction, or whole number. 117) _____ $4\frac{1}{3} \div 3$ A) $4\frac{1}{9}$ B) $1\frac{4}{9}$ C) 4 D) 5

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

118) Laura's parents pay her \$5 an hour to babysit her little brother. If Laura babysits 118) ______ for $1\frac{2}{5}$ hours, how much will her parents pay her?

119) Edward's estate is to be split equally among his three heirs. If his estate is worth $\$2\frac{3}{5}$ 119) _____ million, how much will each heir inherit? A) Each heir will inherit $\$\frac{11}{15}$ million. B) Each heir will inherit $\$\frac{13}{15}$ million. C) Each heir will inherit $\$\frac{8}{15}$ million. D) Each heir will inherit $\$\frac{14}{15}$ million. 120) Alberta paid about $\frac{8}{25}$ of her annual salary in federal and state income tax. How much 120) _____ did she pay if her salary was \$80,000? A) Alberta paid \$25,600. B) Alberta paid \$24,600. C) Alberta paid \$23,600. D) Alberta paid \$26,600. 121) A $16\frac{1}{2}$ -ft wire is cut into 8 pieces of equal length. How long is each piece? 121) _____ A) Each piece is $2\frac{3}{16}$ ft. B) Each piece is $2\frac{1}{8}$ ft. C) Each piece is $2\frac{1}{4}$ ft. D) Each piece is $2\frac{1}{16}$ ft. 122) If 60 pounds of candy is distributed in $\frac{3}{4}$ -lb bags, how many bags can be filled? 122) A) 45 bags can be filled. B) 50 bags can be filled. C) 100 bags can be filled. D) 80 bags can be filled. 123) A tutor worked $12\frac{3}{4}$ hours in a week and earned \$357. What is her hourly rate? 123) _____ A) \$24 B) \$20 C) \$28 D) \$16

- - A) Jeremy spends $17\frac{1}{4}$ hours each week traveling to and from work.
 - B) Jeremy spends $17\frac{1}{2}$ hours each week traveling to and from work.
 - C) Jeremy spends $16\frac{1}{2}$ hours each week traveling to and from work.
 - D) Jeremy spends $16\frac{1}{4}$ hours each week traveling to and from work.

1) numerator: 7; denominator 4 2) 5 ÷ 1; 5 3) 9 ÷ 9; 1 4) B 5) B 6) $\frac{1}{6}$ 7) D 8) $\frac{15}{23}$ 9) A 10) B 11) B 12) $\frac{8}{4}$ 13) $\frac{15}{4}$; $3\frac{3}{4}$ 14) D 15) <u>149</u> 9 16) A 17) D 18) $3\frac{8}{9}$ 19) $73\frac{7}{10}$ 20) 199 7 16 $\underset{0}{\leftarrow}$ 1 $\frac{4}{5}$ 21) 22) B 23) C 24) $5 \cdot 5$ and $1 \cdot 25$ 25) 10 and 3 26) a. no b. yes c. yes d. no 27) A 28) a. no b. yes c. yes d. no 29) A

30) A 31) C 32) A 33) B 34) B 35) 41 (prime) 36) 2 · 2 · 2 · 5 37) 3 · 3 · 5 · 5 38) C 39) C 40) D 41) B 42) C 43) C 44) B 45) B 46) B 47) B 48) 6 49) $\frac{1}{9}$ 50) A 51) $\frac{4}{9}$ 52) 1 53) $\frac{3}{2}$ 54) $\frac{4}{5}$ 55) <u>8</u> 13 56) C 57) B 58) D 59) A 60) $\frac{1}{20}$ 61) a. Allen: $\frac{3}{5}$; Rajiv: $\frac{4}{5}$ b. Rajiv finished the greater fractional part.

62) A 63) C

64) $\frac{5}{36}$ 65) B 66) <u>27</u> 8 67) C 68) B 69) $\frac{5}{2}$ 70) 1/10,000,000 71) $\frac{1}{49}$ 72) D 73) D 74) A 75) B 76) B 77) C 78) D 79) A 80) A 81) A 82) A 83) B 84) C 85) C 86) C 87) B 88) $\frac{3}{5}$ 89) B 90) C 91) <u>1</u> 7 92) C 93) <u>15</u> 2 94) D 95) A 96) 1

97) $\frac{27}{2}$ 98) B 99) A 100) C 101) D 102) a. Joseph has read 11 pages. b. Joseph still must read 33 pages. 103) A 104) A 105) D 106) B 107) D 108) B 109) $5\frac{5}{6}$ 110) B 111) 26 112) A 113) A 114) 5 115) C 116) $3\frac{2}{5}$ 117) B 118) Her parents will pay her \$7. 119) B 120) A 121) D 122) D 123) C 124) B

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