### **Akshay Study Abroad Consultants**

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## Percentage and Ratio Practice

#### 30 Minutes - (Don't skip any questions)

		(20		, , , , , , , , , , , , , , , , , , ,		·				
1)	m		se th	ub, 30% of the e pool do not u				-		: 20% of the rs of the health
		20%		50%	C.	60%	D.	62.5%	E.	75%
2)	th		n Ne	New York to Bow W York to Bosto 24%	n is		mc	New York to Ha	rtfor	cford, what % of rd? 52%
3)	Th	ie lead in a me	chan	ical pencil is 5 i	nche	es long. After pi	eces	s of $\frac{1}{8}$ of an inch	lon	g, $1\frac{3}{4}$ inches long,
	an	od $1\frac{1}{12}$ inches l	ong a	are broken off, l	now	many inches lo	ng i	s the lead left ir	the	e pencil?
	A.	2	В.	$2\frac{1}{24}$	C.	$2\frac{1}{12}$	D.	$2\frac{1}{4}$	E.	$2\frac{1}{2}$
4)	ea	ich subsequen	t cop	make the 1 <sup>st</sup> thy. How many do	ollar	s will it cost to	mak	e 4800 copies c	of a r	record?
	A.	1000	В.	4800 C.	. 4	800 <i>x</i> D.	100	00x + 3800 E	. 1	1000 + 3800x
5)		a worker make inutes?	es 4 b	ooxes of labels i	n 1 $\frac{2}{3}$	hours, how ma	any l	boxes of labels	can	he make in 50
	A.	2	В.	$2\frac{1}{3}$	C.	$2\frac{2}{3}$	D.	$2\frac{5}{6}$	E.	3
6)	If		00 las	ns \$ 50 salary est month, what \$ 1000	was		of h		he v E.	value of his sales.
7)	pa			wels for \$ 9.00 ). About what p		•		•		re sells a roll of oll of paper
		11	В.	89	C.	100	D.	111	E.	119

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8)	A history book weighs 2.4 lbs. 12 copies of the history book and 8 copies of an English book together weigh 42.8lbs. How much will one copy of the English book weigh?									
	A.	1 <i>lb</i> .	B.	1.4 <i>lb</i>	C.	1.75 <i>lb</i>	D.	2.88 <i>lb</i>	E.	14 <i>lb</i>
9) A car goes $15$ miles on a gallon of gas when it is driven at $50$ miles per hour. When the driven at $60$ miles per hour it only goes $80\%$ as far. How many miles will it travel or gas at $60$ miles per hour?										
	A.	12	B.	13.5	C.	16.5	D.	18.75	E.	20
10) If the numerator of a fraction is increased by 20% and the denominator be diminished by 10%, the value of the fraction is 16 / 21. The original fraction is									nished by 10%,	
		7/4		5/4		7/5		4/7	E.	None
11) If it costs x cents to produce a single sheet of paper for the 1 <sup>st</sup> 800 sheets and if every subsequent sheet costs $x/15$ cents, how much will it cost to produce 5,000 sheets of paper?										
	A.	800 <i>x</i>	B.	1080 <i>x</i>	C.	1400 <i>x</i>	D.	2430 <i>x</i>	E.	3500 <i>x</i>
12) If in 1967, 1968 and 1969 a worker received 10% more in salary each year than he did the previous year, how much more did he receive in 1969 than in 1967?									he did the	
	A.	10%	В.	12%	C.	19%	D.	20%	E.	21%
13) A person receives a percentage of the sale of each book as royalty. If it is $20\%$ of the cost of each book and total royalty received by him are \$ 7500, what is the cost of each book if total of $2500$ books were sold?										
	A.	\$ 12	В.	\$ 15	C.	\$ 18	D.	\$ 21	E.	\$ 24
14) If John makes a box every 5 minutes and Tim takes 7 minutes to make a box, what will be the ration of the no. of boxes produced by John to the no of boxes produced by Tim if they work 5 hours and 50 minutes?										
	A.	5 to 6	В.	5 to 7	C.	6 to 5	D.	7 to 5	E.	2 to 1
15) If a store sells $3\frac{1}{4}$ crates of lettuce on Monday, $2\frac{1}{6}$ on Tuesday, $4\frac{1}{2}$ on Wednesday and $1\frac{2}{3}$ on Thursday, how many crates has the store sold altogether?										
		10	-	$11\frac{1}{2}$		_		$11\frac{3}{4}$	E.	$12\frac{1}{3}$

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- 16) Three persons A, B and C whose salaries together amount to Rs 1440, spend 80, 85 and 75 percent of their salaries respectively. If their savings are 8: 9: 20, find their respective salaries.
  - A. 320,480 and 640
  - B. 480,640 and 320
  - C. 320,640 and 480
  - D. 480,320 and 640
  - E. 640,320 and 480
- 17) If 50 apprentices can finish a job in 4 hours and 30 journeymen can finish the same job in  $4\frac{1}{2}$ hours, how much of the job should be completed by 10 apprentices and 15 journeymen in 1 hour?

- B.  $\frac{29}{180}$  C.  $\frac{26}{143}$  D.  $\frac{1}{5}$  E.  $\frac{39}{121}$
- 18) If 40% of all women are voters and 52% of the population are women, what percent of the population are women voters?
  - A. 18.1 %
- B. 20.8 %
- C. 26.4 %
- D. 40 %
- E. 52 %
- 19) If a bus can travel 15 miles on a gallon of gas, how many gallons of gas will it use to travel 200 miles?
  - A. 10

- B.  $12\frac{1}{2}$  C.  $13\frac{1}{3}$  D. 15 E.  $20\frac{1}{5}$
- 20) If Rs.516 is divided among A, B and C so that A receives 25% more than B and B receives 25%less than C, then C's share is
  - A. Rs. 144
- B. Rs. 180
- C. Rs. 192
- D. Rs. 204
- E. Rs. 300