PART PERCENT | M7 Chapter 2 - Percents practice test

IF YOU HAVE ALL OF SOMETHAND YOU HAVE 100%

1. What is 35% of 60? 0.35(60) = 21

Show your work

Correction notes

$$\frac{x}{60} = \frac{35}{100}$$
 $\frac{60(35)}{100} = \frac{2100}{100} = 21$

2. What is 112% of 50?

//2% = /./2 Show your work



Correction notes

$$\frac{x}{50} = \frac{1/2}{100} = \frac{50(112)}{100} = \frac{5600}{100} = \frac{56}{56}$$

- 3. 3% of 120 is what number? 0.03(120) = 3.6
- $\frac{x}{120} = \frac{3}{100} = \frac{3(120)}{100} = \frac{360}{100} = 3.6$

Show your work

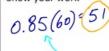
30% = 0.3

Correction notes

10% OF 120 = 12

4. Kaitlyn made 85% of the 60 free throws she attempted. How many free throws did Kaitlyn make? Show your work

Correction notes



$$0.85(60)^{2}51$$
 \times
 85
 $60(85) = 5100 = 51$
 85
 60
 100
 100
 100

5. 6 is what percent of 96?

Show your work
$$\frac{6}{96} = \frac{\chi}{100} = \frac{6(100)}{96} = \frac{600}{96} = 6.25$$

- 0.0625 (96) = 6
- 6. What percent of 70 is 14?

Show your work

$$\frac{14}{70} = \frac{x}{100} = \frac{14(100)}{70} = \frac{1400}{70} = 20$$

Correction notes

	7. Wyatt bought a pair of shoes for \$72. The next week he	noticed that the price for the same pair of shoes was
	now \$87. Find the percent of change. Show your work O FIND THE DIFFERENCE 87-72=15	Correction notes
	DIVIDE THE DIFFENCE 15 = 20.8 BY THE ORIGINAL AMOUNT 72 = 20.8% INCREASE	
	8. Maria has lunch at a restaurant. If her bill was \$12.25 and	d Maria wants to leave a 20% tip, what is a reasonable
	estimate for the amount she should leave for the tip?	•
	A. \$1.30 B. \$2.00 C \$2.45 D. \$2.80 Show your work	0 Correction notes
	\$ 12.25 20%	
×U	-10% of 12.00 = 1.20) x2 20% of 12.00 = 2.40) x2	
7	20% or 12.00 = 2.40 %	
	 Find the simple interest paid to the nearest cent for the following principal, interest rate, and time. \$390, 3%, 5 years 	
	Show your work	Correction notes
	Px RxT 390 x 0.03 x 5 = \$58.50	
	200: 203×5=\$58.50	
	390 x 0,0 3 x 0 3 =	
	10. Eber bought a new pair of baseball cleats for \$64.95. The	e sales tax is 5.5%. What is the total cost that Eber will
	pay?	cost of CLEATS Correction notes 100% 5.5% 74% $$64.95(1.055) = 68.52225$ $$68.52$
	Show your work \$64.95 (0.055) = 3.57225 = \$3.57 70	Correction notes 100 % 1
	864.95+ \$ 3.57= \$ 68.52	\$64.95 (1.055)=66.50
	864.95+ \$ 3.57-1\$ 68.52	1 \$ 68.3 2
	CLEATS + TAX = TOTAL	
	11. Mr. Jamison bought a toaster oven that was originally priced at \$89. He received a 20% discount. The sales tax is 8% on the discounted price. What is the total Mr. Jamison paid for the toaster oven?	
	Show your work 201 3NINGS \$89 (0.20) = \$17.80 ← DISCOUNT (SAVINGS) \$89 - \$17.80 = \$71.20 ← DISCOUNTED PRICE	Correction notes You PAY 80%.
	\$89 (0.20) = \$17.80 = DISCOUNTED PRICE	\$89(0.8)-171
	\$89-\$17,80=\$71.20 - DISCOUNTED !	\$71.20 (1.08) = 76.896
	\$ 71.20(0.08) = 5.696 = \$ 5.70 \$ 71.20 + \$ 5.70 = 76.90	TOASTER + TAX \$ 76.90
	12. Winona got her hair cut for \$21. The tax was 7% and she amount of money Winona paid?	e left a 15% tip for the hair stylist. What is the total
	Show your work 21.00	Correction notes
	\$\frac{\psi_{\text{21}}(0.07)}{\psi_{\text{21}}(0.07)} = \psi_{\text{47}} \frac{\psi_{\text{47}}}{1.47}	
	\$21(0,15) = \$3.155 TIP (\$25.62)	
	111 (720.00)	