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Math 8 HW Section 3.3 Evaluating the Percent of a Number

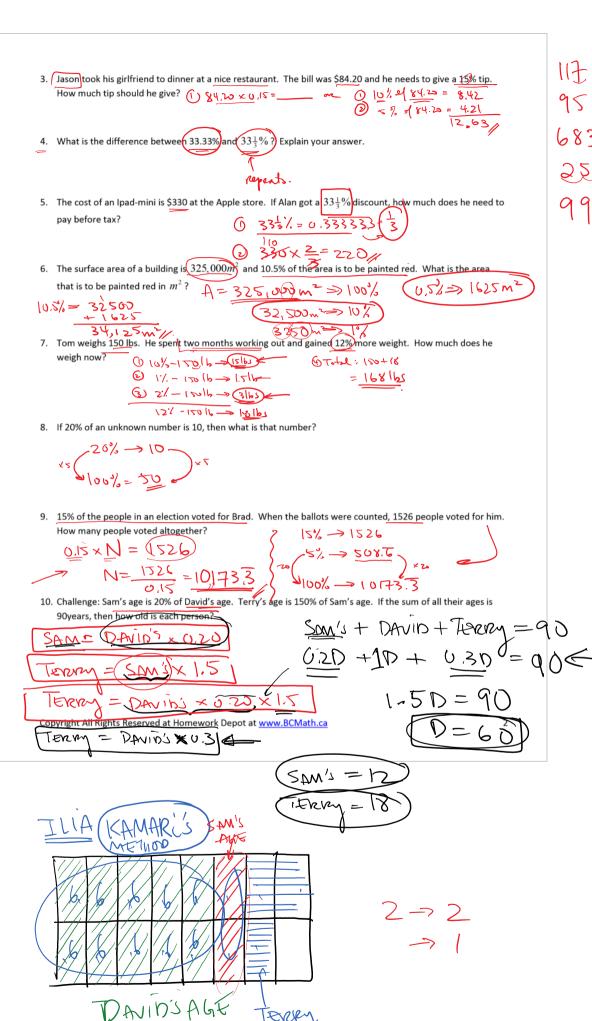
1. Determine the percent of each number. Give your answer to the nearest hundredth:

a) 10% of 1000	b) 20% of 200 20 x 200 = 40	c) 40% of 300 40 ×3003 10 120	d) 50% of 340
e) 15% of 60 10% of 60 = 6. 5% of 60 = 3 15% of 60 = 9	f) 25% of 580 1 x 580 290 145 2 = (147)	g) $75\frac{1}{2}\%$ of 424 17 of $424 = 4424$ 0.57 of $424 = 42.12$ $\frac{3}{2}$ x $424 = \frac{3}{2}$ Total = $\frac{3}{2}$	h) 80\frac{1}{3}\% \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
i) 11% of 3000 \(\circ\{\sigma\} = 300\) \(\circ\{\sigma\} = 300\) \(\circ\{\sigma\} = 300\) \(\circ\{\sigma\} = 330\)	j) 22% of 4200 10% of 4200 = 420 10% of 4200 = 420 1% of 4200 = 420 1% of 4200 = 420 1% of 4200 = 420 924	k) 120% of 14 100% of 14 = (4) 20% of 14 = (2) 20% of 12 = 28 120% of 14 = (2)	1) 350% of 650 (100% of 650 - 650 (100% of 650 - 650 (100% of 650 - 375 2275
m) 1.25% of 600 1.25 × 6 × 6 1.25 × 6 × 6 1.25 × 6 × 6 2.25 × 6 3.25 × 6	n) 6¼% of 40 25 × 40 = 250/	0) 101/2% of 630 10% of 630 = 63 1% of 630 = 63 1/2 of 630 = 63 1/3 of 630	p) 83% of 125.50

2. Terry was asked to find the percent of each number. The work below shows what he did. Indicate any mistakes that you see. If there are no mistakes, indicate that all the steps are correct:

a) 11% of 90 $s1 = 11\% \times 90$ $s2 = 1190$ $s3 = 990$	b) 120% of 32 $s1 = 120\% \times 32$ $s2 = 1.20 \times 32$ $s3 = 6.4 = 38.4$	c) 130% of 45 $s1 = 130\% \times 45$ $s2 = (100\% + 30\%) \times 45$ $s3 = (100\% \times 45) + (20\% \times 45)$ s4 = 45 + 9 = 54
d) 10.5% of 40 s1 = 10.5% × 40 s2 = 10.5 40 s3 = 420	e) 250% of 180 $s1 = 250\% \times 80$ $s2 = 2.5 \times 80$ s3 = 200	f) $10\frac{1}{2}\%$ of 90 $s1 = (10\% + 0.33\%) \times 90$ $s2 = (10\% \times 90) + (0.33\% \times 90)$ s3 = 9 + 0.297 s4 = 9.297

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