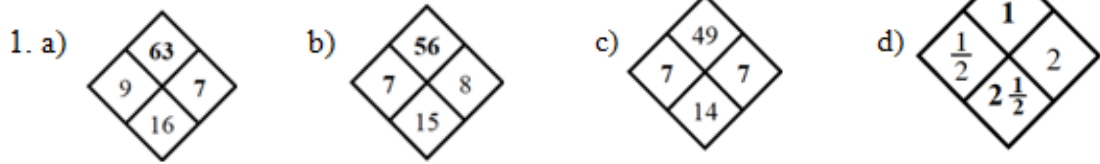


Pre-Algebra Set 8 Answers









2. $15 \cdot 27 = 405$

<u>20</u>	<u>10</u>	+ 5
	200	100
+ 7	<u>70</u>	<u>35</u>

3. a) 21 b) 11 c) 4 d) 11 e) -30

4. a) -1.75 b) -3.82 c) -1 d) 0.74 e) $-27\frac{2}{3}$

5. a) $9(400) + 9(10) + 9(3)$ b) $6(500) + 6(90) + 6(1)$ c) $5(1000) + 5(40) + 5(2)$
 $3600 + 90 + 27$ $3000 + 540 + 6$ $5000 + 200 + 10$
 3717 3546 5210

6. a) $\frac{9}{100}$  9% 0.09 b) 0.1%  0.001 $\frac{1}{1000}$ c) 0.16  $\frac{1}{6}$ 16.6% d) 77.7%  $0.\bar{7}$ $\frac{7}{9}$ e) $23.\bar{23}\%$  $0.\bar{23}$ $\frac{23}{99}$
 or $23.\bar{023}\%$  $0.\bar{23}$ $\frac{230}{999}$

7. $\frac{1}{4}$ of the time, or 45 minutes

8. a) No. *Show why.* b) Yes, *Show why.*

9. A *Show why.*

10. 36 students *Show why.*

11. a) $68\frac{4}{9}$ b) $-26\frac{2}{11}$ c) $18\frac{7}{40}$ d) $-26\frac{5}{12}$

12. a) $\frac{13}{52}$ or $\frac{1}{4}$ b) $\frac{3}{4}$ c) $\frac{1}{52}$

13. a) 80.3 b) 99.84 c) 31.6

14. a) 48 mm^2 b) 21 m^2 c) 99 ft^2