

Math 8  
Section 3.3 Part 2

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Find 7% of 100.
2. Find 10% of 8.
3. Find 15% of 80.
4. Find 150% of 200.
5. What is 20% of 60?
6. What is 39% of 49?
7. What is 150% of 70?
8. What is 125% of 67?
9. What is 20% of 30?
10. 78 is 100% of what number?
11. 39 is 10% of what number?
12. 13 is 1% of what number?
13. 72 is 50% of what number?
14. 38 is 20% of what number?
15. 23 is 25% of what number?
16. 33 is 75% of what number?
17. 320 is 200% of what number?
18. 900 is 250% of what number?
19. 27 is 45% of what number?
20. 36 is  $66\frac{2}{3}\%$  of what number?
21. 9 is  $16\frac{2}{3}\%$  of what number?
22. 10% of what number is 16?
23. 50% of what number is 21?
24. 40% of what number is 24?

25. Last season, Alison scored 30% of the points for her soccer team. The team scored a total of 30 points. How many point did Alison score?
  
26. Melanie bought a coat that was marked down 20%. What was the original cost of the coat, if she saved \$8.00?
  
27. Mr. Sheridan bought a new suit that was on sale for 35% off. As a result, he saved \$79. What was the original price of the suit?
  
28. At the appliance store, a saleswoman gets 5% commission on everything she sells. How much would she have to sell to get \$750 in commission?
  
29. Mr. Koch spent \$6.99 on a can of paint that was on sale for 30% off. What would the paint have cost if it were not on sale?
  
30. Consuelo paid \$16.72 for an item which was discounted 24%. What was the price of the item before it was discounted?
  
31. 15.4 million sq km, or 41%, of the moon's surface can be never seen from earth. What is the total surface area of the moon?
  
32. Between the years 1850 and 1950, the world's population grew by 130 percent. If the population was 1.1 billion in 1850, what was it a hundred years later?

**Answer List**

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|---------|----------|----------|
| 1. 7    | 2. 0.8   | 3. 12    |
| 4. 300  | 5. 12    | 6. 19.11 |
| 7. 105  | 8. 83.75 | 9. 6     |
| 10. 78  | 11. 390  | 12. 1300 |
| 13. 144 | 14. 190  | 15. 92   |
| 16. 44  | 17. 160  | 18. 360  |
| 19. 60  | 20. 54   | 21. 54   |
| 22. 160 | 23. 42   | 24. 60   |

**Catalog List**

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|---------------|---------------|---------------|
| 1. PRE HF 4   | 2. PRE HF 12  | 3. PRE HF 26  |
| 4. PRE HF 36  | 5. PRE HF 80  | 6. PRE HF 84  |
| 7. PRE HF 88  | 8. PRE HF 92  | 9. PRE HF 78  |
| 10. PRE HH 2  | 11. PRE HH 5  | 12. PRE HH 8  |
| 13. PRE HH 11 | 14. PRE HH 16 | 15. PRE HH 19 |
| 16. PRE HH 21 | 17. PRE HH 25 | 18. PRE HH 27 |
| 19. PRE HH 35 | 20. PRE HH 41 | 21. PRE HH 44 |
| 22. PRE HH 52 | 23. PRE HH 58 | 24. PRE HH 62 |

1/8/2013

**Answer List**

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|----------------------------------|----------------------|-----------|
| 25. 9                            | 26. \$40             | 27. \$220 |
| 28. \$15,000                     | 29. \$9.98 (rounded) | 30. \$22  |
| 31. $\approx 37.6$ million sq km | 32. 2.53 billion     |           |

**Catalog List**

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|---------------|---------------|---------------|
| 25. PRE HK 35 | 26. ALG FF 35 | 27. ALG FF 36 |
| 28. ALG FF 41 | 29. ALG FF 33 | 30. ALG FF 34 |
| 31. ALG FF 50 | 32. ALG FF 59 |               |