

LESSON

7-9

Practice A

Percent Problems

Find the percent of each number.

- 1. 10% of 30 _____
- 2. 30% of 90 _____
- 3. 20% of 40 _____
- 4. 50% of 14 _____
- 5. 2% of 10 _____
- 6. 15% of 6 _____
- 7. 5% of 20 _____
- 8. 60% of 10 _____
- 9. 50% of 50 _____
- 10. 4% of 4 _____
- 11. 90% of 10 _____
- 12. 10% of 25 _____
- 13. 25% of 100 _____
- 14. 70% of 10 _____
- 15. 75% of 100 _____
- 16. 35% of 15 _____
- 17. 25% of 20 _____
- 18. 8% of 16 _____

19. Courtney made 12 model racecars. She painted 75% of her cars blue. How many of Courtney's racecar models are blue?

20. Tim used 16 large beads to make a necklace. He chose bright orange for 25% of those beads. How many beads on Tim's necklace are bright orange?

21. Taylor has 25 stuffed animals. She took 20% of those animals with her to a slumber party. How many stuffed animals did Taylor take to the slumber party?

LESSON 7-3 Puzzles, Twisters & Teasers

Chitter-Chatter!

Some people talk all the time, while others never say a word. Have you ever wondered which animal talks the most? You are about to find out!

In the box below, cross out any number that is greater than one. 121% , 2.06 , $\frac{3}{2}$

Next, cross out any pairs that have equivalent values. $[\frac{1}{4}, 25\%]$ $[\frac{3}{4}, 75\%]$
(For example, $\frac{1}{2}$ is the same as 50%).

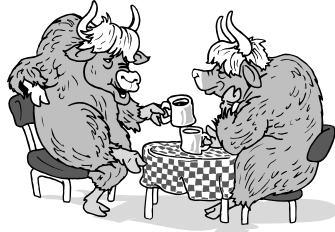
Finally, order the remaining numbers from smallest to largest and place the corresponding letters in the answer spaces below. $[0.16, \frac{1}{3}, 53\%, 0.88]$

$\frac{3}{4}$ D	$\frac{1}{3}$ Y		
0.88 K	121% P	$\frac{1}{4}$ T	53% A
	75% V		0.16 A
2.06% M	0.25 E	$\frac{3}{2}$ R	

Place the remaining numbers (you should have 4 left) in order from smallest to largest in the spaces below.

What animal talks the most?

 A Y A K



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LESSON 7-9 Practice A

Percent Problems

Find the percent of each number.

- | | |
|------------------------------|-------------------------------|
| 1. 10% of 30 <u> 3 </u> | 2. 30% of 90 <u> 27 </u> |
| 3. 20% of 40 <u> 8 </u> | 4. 50% of 14 <u> 7 </u> |
| 5. 2% of 10 <u> 0.2 </u> | 6. 15% of 6 <u> 0.9 </u> |
| 7. 5% of 20 <u> 1 </u> | 8. 60% of 10 <u> 6 </u> |
| 9. 50% of 50 <u> 25 </u> | 10. 4% of 4 <u> 0.16 </u> |
| 11. 90% of 10 <u> 9 </u> | 12. 10% of 25 <u> 2.5 </u> |
| 13. 25% of 100 <u> 25 </u> | 14. 70% of 10 <u> 7 </u> |
| 15. 75% of 100 <u> 75 </u> | 16. 35% of 15 <u> 5.25 </u> |
| 17. 25% of 20 <u> 5 </u> | 18. 8% of 16 <u> 1.28 </u> |

19. Courtney made 12 model racecars. She painted 75% of her cars blue. How many of Courtney's racecar models are blue?

 9 cars are blue

20. Tim used 16 large beads to make a necklace. He chose bright orange for 25% of those beads. How many beads on Tim's necklace are bright orange?

 4 beads are bright orange

21. Taylor has 25 stuffed animals. She took 20% of those animals with her to a slumber party. How many stuffed animals did Taylor take to the slumber party?

 5 stuffed animals

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LESSON 7-9 Practice B

Percent Problems

Find the percent of each number.

- | | |
|---------------------------------|---------------------------------|
| 1. 8% of 40 <u> 3.2 </u> | 2. 105% of 80 <u> 84 </u> |
| 3. 35% of 300 <u> 105 </u> | 4. 13% of 66 <u> 8.58 </u> |
| 5. 64% of 50 <u> 32 </u> | 6. 51% of 445 <u> 226.95 </u> |
| 7. 14% of 56 <u> 7.84 </u> | 8. 98% of 72 <u> 70.56 </u> |
| 9. 24% of 230 <u> 55.2 </u> | 10. 35% of 225 <u> 78.75 </u> |
| 11. 44% of 89 <u> 39.16 </u> | 12. 3% of 114 <u> 3.42 </u> |
| 13. 70% of 68 <u> 47.6 </u> | 14. 1.5% of 300 <u> 4.5 </u> |
| 15. 85% of 240 <u> 204 </u> | 16. 47% of 13 <u> 6.11 </u> |
| 17. 20% of 522 <u> 104.4 </u> | 18. 2.5% of 400 <u> 10 </u> |

19. Jenna ordered 28 shirts for her soccer team. Seventy-five percent of those shirts were size large. How many large shirts did Jenna order?

 21 large shirts

20. Douglas sold 125 sandwiches to raise money for his boy scout troop. Eighty percent of those sandwiches were sold in his neighborhood. How many sandwiches did Douglas sell in his neighborhood?

 100 sandwiches

21. Samuel has run for 45 minutes. If he has completed 60% of his run, how many minutes will Samuel run in all?

 75 minutes

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LESSON 7-9 Practice C

Percent Problems

Find the percent of each number.

- | | |
|----------------------------------|-----------------------------------|
| 1. 22% of 22 <u> 4.84 </u> | 2. 147% of 600 <u> 882 </u> |
| 3. 16% of 48 <u> 7.68 </u> | 4. 65% of 1,185 <u> 770.25 </u> |
| 5. 96% of 12 <u> 11.52 </u> | 6. 9% of 29 <u> 2.61 </u> |
| 7. 25% of 455 <u> 113.75 </u> | 8. 77% of 326 <u> 251.02 </u> |
| 9. 87% of 113 <u> 98.31 </u> | 10. 15.6% of 470 <u> 73.32 </u> |
| 11. 92% of 514 <u> 472.88 </u> | 12. 2.5% of 16 <u> 0.4 </u> |
| 13. 7.2% of 65 <u> 4.68 </u> | 14. 84.2% of 65 <u> 54.73 </u> |
| 15. 4.5% of 880 <u> 39.6 </u> | 16. 36.8% of 400 <u> 147.2 </u> |
| 17. 6.5% of 250 <u> 16.25 </u> | 18. 211% of 22 <u> 46.42 </u> |

19. The soccer team ordered 140 T-shirts to sell at the school fair. Oh those T-shirts, 50% are white, 20% are blue, 15% are green, 10% are red, and 5% are black. How many black T-shirts did the soccer team order? how many red?

 7 black T-shirts and 14 red T-shirts

20. The Johnsons ordered new carpet for their family room. They paid 33% of the total cost when they ordered it, and will pay the remaining amount when the carpet is delivered. If they paid \$192.72 when they ordered the carpet, how much will they pay when it is delivered?

 \$391.28

21. The city is going to raise its sales tax from 6.25% to 8.5% after the first of the year. How much tax would someone save on a \$19,540 car if they bought the car before the first of the year rather than after the first of the year?

 \$439.65

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