| Do Now: Henry is considering purchasing a mountain bike. He likes two bikes: One costs \$500, and the other costs \$600. He tells his dad that the bike that is more expensive is 20% more than the cost of the other bike. Is he correct? | Do Now: Henry is considering purchasing a mountain bike. He likes two bikes: One costs \$500, and the other costs \$600. He tells his dad that the bike that is more expensive is 20% more than the cost of the other bike. Is he correct? |
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| 1. Express 9 hours as a percentage of 3 days. | 1. Express 9 hours as a percentage of 3 days. |
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| 2. Richard works from 11:00 a.m. to 3:00 a.m. His dinner break is 75% of the way through his work shift. What time is Richard's dinner break? | 2. Richard works from 11:00 a.m. to 3:00 a.m. His dinner break is 75% of the way through his work shift. What time is Richard's dinner break? |
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| 3. At a playoff basketball game, there were 370 fans cheering for Columbia and 555 fans cheering for Grambling. What percent more fans were there for Grambling than for Columbia? | 3. At a playoff basketball game, there were 370 fans cheering for Columbia and 555 fans cheering for Grambling. What percent more fans were there for Grambling than for Columbia? |

| 4. A plant was 40 inches tall on Monday and 4 feet tall by Sunday. By what percent did it grow over the week? | 4. A plant was 40 inches tall on Monday and 4 feet tall by Sunday. By what percent did it grow over the week? |
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| 5. What percent of 60 is 12? | 5. What percent of 60 is 12? |
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| 6. Loren must obtain a minimum number of signatures on a petition before it can be submitted. She was able to obtain 672 signatures, which is 40% more than she needs. How many signatures does she need? | 6. Loren must obtain a minimum number of signatures on a petition before it can be submitted. She was able to obtain 672 signatures, which is 40% more than she needs. How many signatures does she need? |
|---|---|
| (First, set up a double number line to find the increase/decrease.) | (First, set up a double number line to find the increase/decrease.) |
| Challenge: Parker was able to pay for 44% of his college tuition with his scholarship. The remaining \$10,054.52 he paid for with a student loan. What was the cost of Parker's tuition? | Challenge: Parker was able to pay for 44% of his college tuition with his scholarship. The remaining \$10,054.52 he paid for with a student loan. What was the cost of Parker's tuition? |