**Percent (Mathisfun)**

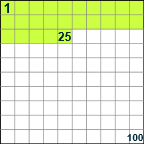
**When we say "Percent" we are really saying "per 100"**

One percent (**1%**) means 1 per 100.

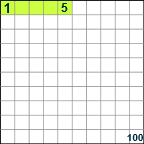
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

**1%** of this line is shaded green: it is very small isn't it?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| |  | | --- | | **50%** means 50 per 100 (50% of this box is green) | |  | |  | |
|  | |
| **25%** means 25 per 100 (25% of this box is green) | |  |
|  | |



|  |  |  |
| --- | --- | --- |
|  |  | 100% means all.  Example:  100% of **80** is *100/***100** × 80 = 80 |
|  |  | 50% means half.  Example:  50% of **80** is *50/***100** × 80 = 40 |
|  |  |  |

 5% means 5/100ths.

Example:

5% of **80** is *5/***100** × 80 = 4

Divide the denominator (100) into the numerator to determine the decimal or percent. 50/100 = .50 = 50%

Divide the denominator (100) into the numerator to determine the decimal or percent. 75/100 = .75 = 75%

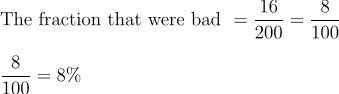
|  |  |  |
| --- | --- | --- |
| **Percent** | **Decimal** | **Fraction** |
| 1% | 0.01 | 1/100 |
| 5% | 0.05 | 1/20 |
| 10% | 0.1 | 1/10 |
| 12½% | 0.125 | 1/8 |
| 20% | 0.2 | 1/5 |
| 25% | 0.25 | 1/4 |
| 331/3% | 0.333... | 1/3 |
| 50% | 0.5 | 1/2 |
| 75% | 0.75 | 3/4 |
| 80% | 0.8 | 4/5 |
| 90% | 0.9 | 9/10 |
| 99% | 0.99 | 99/100 |
| **100%** | **1** |  |
| 125% | 1.25 | 5/4 |
| 150% | 1.5 | 3/2 |
| 200% | 2 |  |

75% of 60 = ?

75% = 75/100 = 0.75  
So:   
0.75 × 60 = 45

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If 16 of 200 apples were bad, what percent is that?



8/100 = .08 = 8%

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In a class of 25 students, 16 had at least one pet. What percent is that?

The fraction of the class that had at least one pet = 16/25

16 divided 25 is .64 or 64%

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