

# What Do You Call a Knife That Cuts Four Loaves of Bread at Once?

Work any problem below and find your answer in the answer column. Notice the letter next to it. This letter goes in each box at the bottom of the page that contains the problem number.

KEEP WORKING AND YOU WILL DISCOVER THE ANSWER TO THE TITLE QUESTION.

$$\frac{38}{100} = \frac{w}{55}$$

$$\frac{p}{100} = \frac{1.4}{70}$$

$$p = 2\%$$

$$\frac{20}{100} = \frac{1500}{x}$$

$$\frac{0.005}{100} = \frac{1}{x}$$

$$\frac{310}{100} = \frac{x}{11.3}$$

$$\frac{x}{100} = \frac{32.5}{50}$$

$$\frac{51.2}{100} = \frac{x}{3000}$$

$$\frac{8}{100} = \frac{20000}{x}$$

$$\frac{x}{100} = \frac{7}{30}$$

- ① A person standing on Mars would weigh 38% of his earth weight. What is the Mars weight of a person with an earth weight of 55 kilograms?  
 $n = .38 \times 55$   
 $n = 20.9$
- ② If a person who weighs 70 kilograms has a brain that weighs 1.4 kilograms, what percent of the person's body weight is brain?  
 $p = 2\%$       $1.4 = p \times 70$
- ③ Students at one school sell magazine subscriptions to raise money for athletic equipment. The school keeps 20% of sales. How many dollars' worth of subscriptions must be sold to make \$1500?  
 $1500 = n \times 0.2$   
 $n = \$7500$
- ④ A ship model is 0.5% of actual size. If the model is 1 meter long, what is the actual length of the ship?  
 $1 = 0.005 \times n$   
 $n = 200 \text{ m}$
- ⑤ Escape velocity is the speed necessary to escape the gravitational pull of a planet. The escape velocity of Earth is 11.3 kilometers per second, while the escape velocity of Saturn is 310% of that. What is the escape velocity of Saturn?  
 $n = 3.1 \times 11.3$       $n = 35.03 \text{ kps}$
- ⑥ The body of a person who weighs 50 kilograms consists of 32.5 kilograms of oxygen, 9 kilograms of carbon, 5 kilograms of hydrogen, and 3.5 kilograms of other elements. What percent of the person's body weight is oxygen?  
 $32.5 = p \times 50$   
 $p = 65\%$
- ⑦ Of the babies born in America 51.2% are boys. If 3000 babies are born in a certain hospital this year, what is the expected number of boys?  
 $b = .512 \times 3000$
- ⑧ A salesman keeps 8% of his sales as a commission. How much does he have to sell to earn \$20,000?  
 $20000 = 0.08 \times n$   
 $n = \$250,000$
- ⑨ Mr. D.J. Average bought a stock at \$30 per share and sold it at \$37 per share. What percent profit did he make?  
 $7 = p \times 30$   
 $p = 23\frac{1}{3}\%$

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|---|-------------------|
| Ⓐ | 250 m             |
| Ⓒ | 35.03 kps         |
| Ⓘ | \$400,000         |
| Ⓞ | \$7500            |
| Ⓢ | 21.4 kg           |
| Ⓔ | 20.9 kg           |
| Ⓐ | \$250,000         |
| Ⓢ | 1556              |
| Ⓘ | $23\frac{1}{3}\%$ |
| Ⓘ | \$7000            |
| Ⓥ | 65%               |
| Ⓡ | 2%                |
| Ⓣ | 34.23 kps         |
| Ⓖ | 21%               |
| Ⓓ | 60%               |
| Ⓤ | 200 m             |
| Ⓕ | 1536              |

8	7	3	4	2	9	3	8	7	5	9	1	8	6	1	2
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