

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Problem-Solving and Data Analysis	Percentages	<div> <div></div> <div></div> <div></div> </div>

ID: bd90f87e

1.1

A table of the US minimum wage for 6 different years is shown below.

Year	US minimum wage (dollars per hour)
1960	1.00
1970	1.60
1980	3.10
1990	3.80
2000	5.15
2010	7.25

คิดได้หลายวิธี

- ทั้งสมการ
- สูตร

What was the percent increase of the minimum wage from 1960 to 1970?

- A. 30%
- ~~B. 60%~~
- C. 62.5%
- D. 120%

$$\frac{1.6 - 1}{1} \times 100 = 60\% //$$

$$1x = 1.6$$

$$x = 1.6$$

increase by 60% //

Question ID 8705ecba

Assessment	Test	Domain	Skill	Difficulty
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ID: 8705ecba

1.2

The cost of a certain shirt is \$20 before a 5% sales tax is added. What is the total cost, including sales tax, to purchase the shirt?

- A. \$20.05
- B. \$20.50
- ~~C. \$21.00~~
- D. \$25.00

$$20(1.05) = 21 //$$

Question ID 191d167b

Assessment	Test	Domain	Skill	Difficulty
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ID: 191d167b

1.3

Last year, **200** students enrolled in an interior design program. This year, the number of students enrolled is 147% of last year's number. How many students are enrolled in the interior design program this year?

- A. 247
- ~~B. 294~~
- C. 347
- D. 394

$$200(1.47) = 294 //$$

Question ID bb7c8186

Assessment	Test	Domain	Skill	Difficulty
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ID: bb7c8186

1.4

What is 23% of 100?

~~A. 23~~

B. 46

C. 77

D. 123

$$0.23(100) = 23 //$$

Question ID 949cd96b

Assessment	Test	Domain	Skill	Difficulty
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ID: 949cd96b

1.5

The length of the base of a certain parallelogram is 89% of the height of the parallelogram. Which expression represents the length of the base of the parallelogram, where h is the height of the parallelogram?

- A. $89h$
- B. $0.089h$
- C. $8.9h$
- ~~D. $0.89h$~~

$$L = 0.89h //$$

Question ID 28c6bd8c

Assessment	Test	Domain	Skill	Difficulty
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ID: 28c6bd8c

1.6

Where Do People Get Most of Their Medical Information?

Source	Percent of those surveyed
Doctor	63%
Internet	13%
Magazines/brochures	9%
Pharmacy	6%
Television	2%
Other/none of the above	7%

The table above shows a summary of 1,200 responses to a survey question. Based on the table, how many of those surveyed get most of their medical information from either a doctor or the Internet?

A. 865

B. 887

~~C. 912~~

D. 926

$$(0.63 + 0.13) 1,200 = 912 //$$

Question ID 7ed0d098

Assessment	Test	Domain	Skill	Difficulty
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ID: 7ed0d098

1.7

Lani spent 15% of her 8-hour workday in meetings. How many minutes of her workday did she spend in meetings?

- A. 1.2
- B. 15
- C. 48
- ~~D. 72~~

$$0.15 (8 \times 60) = 72 //$$

Question ID 77cf4fa6

Assessment	Test	Domain	Skill	Difficulty
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ID: 77cf4fa6

1.8

There are **170** blocks in a container. Of these blocks, 10% are green. How many blocks in the container are green?

$0.1(170) = 17 //$

Question ID 2d31caae

Assessment	Test	Domain	Skill	Difficulty
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ID: 2d31caae

1.9

Call Ratings

	1 Star	2 Stars	3 Stars	4 Stars	Total
Employee A	16	49	72	8	145
Employee B	4	10	22	34	70
Employee C	8	56	45	16	125
Employee D	22	42	84	12	160
Total	50	157	223	70	500

A supervisor at a call center reviewed 500 calls taken by four employees and rated the employees' performance on each call on a scale from 1 star to 4 stars. The ratings for each employee are shown in the table above. According to the table, to the nearest whole percent, what percent of Employee A's calls received a rating of 1 star?

A. 3%

~~B. 11%~~

C. 16%

D. 32%

หลังทำ Percent Fraction
 เป็นตัวเลข $\frac{16}{145} = 11.0345\%$

Question ID 194ae3b1

Assessment	Test	Domain	Skill	Difficulty
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ID: 194ae3b1

1.10

There were approximately 113,000 occupational therapy jobs in the United States in 2012. The Bureau of Labor Statistics has projected that this number will increase by 29% from 2012 to 2022. Of the following, which is closest to the number of occupational therapy jobs the bureau has projected for the United States in 2022?

- A. 115,900
- B. 116,300
- C. 142,000
- ~~D. 145,800~~

$$113,000 (1.29) = 145,770 \\ \approx 145,800 //$$

Question ID a8fabad0

Assessment	Test	Domain	Skill	Difficulty
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ID: a8fabad0

1.11

A waiter receives tips from each customer. On average, the tip is 15% of the customer's bill. At this rate, which of the following is closest to the tip the waiter can expect when a customer has a bill that is \$78.20?

- A. \$8.00
- B. \$10.00
- ~~C. \$12.00~~
- D. \$14.00

$$78.2(0.15) = 11.73$$
$$\approx 12 //$$

Question ID 1c2f50a6

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ID: 1c2f50a6

1.12

During a sale, the original prices of all the items in a clothing store have been reduced by 20%. What is the sale price of a jacket with an original price of \$50 ?

A. \$12

B. \$30

C. \$36

~~D. \$40~~

$$50(0.8) = 40 //$$

Question ID 048811bd

Assessment	Test	Domain	Skill	Difficulty
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ID: 048811bd

1.13

What is 10% of 370?

A. 27

~~B. 37~~

C. 333

D. 360

$$0.1(370) = 37 //$$

Question ID 6e4a60dd

Assessment	Test	Domain	Skill	Difficulty
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ID: 6e4a60dd

1.14

Rita's total bill at a restaurant was \$25.00, including tax. If she left a tip of 20% of the total bill, what was the amount of the tip?

A. \$3.50

B. \$4.00

C. \$4.50

☒ D. \$5.00

$$25(0.2) = 5 //$$

Question ID 41b71b4e

Assessment	Test	Domain	Skill	Difficulty
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ID: 41b71b4e

1.15

What number is 20%
greater than 60 ?

120%

$$60(1.2) = 72 //$$

- A. 50
- ~~B. 72~~
- C. 75
- D. 132

Question ID 93724cc6

Assessment	Test	Domain	Skill	Difficulty
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ID: 93724cc6

1.16

21 is 21% of what number?

- A. 0
- B. 1
- C. 42
- ~~D. 100~~

$21 = 0.21 X$
 $X = 100 //$