

- 13 A sweater originally cost \$37.50. Last week, Moesha bought it at 20% off.



How much was deducted from the original price?

- (A) \$7.50
- (B) \$17.50
- (C) \$20.00
- (D) \$30.00

CSM00518

- 15 Marl borrowed \$200 at 12% simple interest for one year. If he makes no payments that year, how much interest will he owe at the end of the year?

- A \$6.00
- B \$12.00
- C \$22.40
- D \$24.00

CSM02311

- 16 Tamika works in a shoe store and is paid a 12% commission on her sales. In January her sales total was \$3740. To the nearest dollar, how much did Tamika earn in commission for January?

- A \$312
- B \$449
- C \$3291
- D \$4189

- 17 Stuart is buying a pair of jeans that regularly cost \$40. They are on sale for 20% off. If the tax rate is 8%, what is the sale price of the jeans including tax?

- A \$21.60
- B \$34.56
- C \$42.34
- D \$44.16



- 19 The percentage discount at a store is determined using the table below.

Sale Discounts

Total Purchases	Discount
less than \$50	25%
\$50 to \$100	30%

- 18** A calculator that is regularly priced \$20 is on sale for 40% off. What is the sale price of the calculator?

- A \$8
- B \$12
- C \$15
- D \$16

- 21** Which of the following has the same value as $5^6 \times 5^{-2}$?

- A 5^{-12}
- B 5^{-3}
- C 5^4
- D 5^8

CSM10165

22 $(jk)^{-5}(jk)^3 =$

- A $(jk)^{-2}$
- B $(jk)^{-8}$
- C $(2jk)^{-2}$
- D $(2jk)^{-8}$

CSM21591

- 23** Which of the following shows the next step

Shamika bought 3 skirts that cost \$25 each before the discount. What was her total after the discount?

- A \$45.00
- B \$48.75
- C \$52.50
- D \$56.25

CSM21590

- 20** Mr. and Mrs. Blank sold their house for \$200,000 and needed to hire an attorney to handle the closing procedures. Attorney Mr. Gable charges a flat rate of \$2500. Attorney Ms. Mandel charges $\frac{1}{2}\%$ of the cost of the house. Which attorney would be cheaper for Mr. and Mrs.

Blank to use?

- A Mr. Gable
- B Ms. Mandel
- C Their fees would be the same.
- D cannot be determined from the information given

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$$\frac{4^2 \cdot 3^5 \cdot 2^4}{4^3 \cdot 3^5 \cdot 2^2} =$$

using the least common denominator to

simplify $\frac{7}{8} - \frac{5}{6}$?

A $\left(\frac{7}{8} \times \frac{3}{3}\right) - \left(\frac{5}{6} \times \frac{4}{4}\right)$

B $\left(\frac{7}{8} \times \frac{4}{4}\right) - \left(\frac{5}{6} \times \frac{3}{3}\right)$

C $\left(\frac{7}{8} \times \frac{5}{5}\right) - \left(\frac{5}{6} \times \frac{7}{7}\right)$

D $\left(\frac{7}{8} \times \frac{7}{7}\right) - \left(\frac{5}{6} \times \frac{5}{5}\right)$



- A $\frac{4}{2}$
B $\frac{3}{2}$
 C 1
D $\frac{1}{2}$

$\frac{4 \times 4 \times 2 \times 2 \times 2 \times 2}{4 \times 4 \times 4 \times 2 \times 2}$

$4 \times 4 \times 4 \times 2 \times 2$

CSM02336

25 Which expression is equivalent to $7^5 \times 7^{10}$?

A 7^{15}

B 7^{50}

C 49^{15}

D 49^{50}

26 Which value is equivalent to $\frac{3^{10}}{3^2}$?

A 5

B 8

C 3^5

D 3^8

$$\frac{a^m}{a^n} = a^{m-n}$$