

- 1** Which shows  $833,000$  written in scientific notation?

- A  $8.33 \times 10^3$   
B  $8.33 \times 10^4$   
C  $8.33 \times 10^5$   
D  $8.33 \times 10^6$

✓

- 2** The length of a room is  $5.048 \times 10^2$  cm. Which number is equivalent to this length?

- A  $0.005048$  cm  
B  $0.05048$  cm  
C  $504.8$  cm  
D  $504.800$  cm

✓

CSM21071

**3**  $\left(\frac{2}{3}\right)^4 =$

- A  $\frac{8}{81}$   
**(B)**  $\frac{16}{81}$   
C  $\frac{8}{3}$

✓

- 4** Roberto paid \$43.08 for 3 CDs. All 3 CDs were the same price. How much did each CD cost?

- A \$11.36  
**(B)** \$14.36  
C \$40.08  
D \$46.08

✓

CSM10189

- 5** Dacia made a snack mix using the ingredients listed below.

$1\frac{1}{4}$ cups granola	$\frac{3}{4}$ cup peanuts
$\frac{1}{2}$ cup raisins	$\frac{1}{4}$ cup chocolate chips

What is the total amount of all four ingredients?

- A  $1\frac{3}{4}$  cups  
B  $2\frac{1}{4}$  cups  
C  $2\frac{1}{2}$  cups  
**(D)**  $2\frac{3}{4}$  cups

✓

D  $\frac{18}{3}$

4

CSM10210

6

$$\frac{3}{4} \times 3 =$$

A  $\frac{6}{12}$

B  $\frac{9}{12}$

C  $\frac{6}{4}$

D  $\frac{9}{4}$

CSM01930

- 7 A recipe for 1 batch of cookies requires  $\frac{2}{3}$  of a cup of cooking oil. How many cups of cooking oil would be required for 4 batches of cookies?

A  $\frac{1}{6}$

B 2

C  $2\frac{2}{3}$

D  $4\frac{2}{3}$



9

Tasha is buying a CD that is regularly \$12.99 and is on sale for  $\frac{1}{4}$  off. Which expression can she use to estimate the discount on the CD?

A  $0.0025 \times \$13$

B  $0.04 \times \$13$

C  $0.25 \times \$13$

D  $0.40 \times \$13$

CSM10148

10

Which is an irrational number?

A  $\sqrt{5}$

B  $\sqrt{9}$

C -1

D  $-\frac{2}{3}$

CSM00335

11

Which of the following is an irrational number?

A  $\sqrt{144} = \underline{\underline{12}}$

B  $\sqrt{16} = \underline{\underline{4}}$



- 8 Which of the following is equivalent to  $\frac{5}{2}$ ?

- A 2.25  
 B 2.5  
C 5.2  
D 5.25



- 12 Which fraction is the same as 3.08?

- A  $\frac{56}{25}$   
 B  $\frac{77}{25}$   
C  $\frac{19}{5}$   
D  $\frac{32}{5}$



C  $\sqrt{4} = \frac{2}{1}$   
 D  $\sqrt{3}$

- 14 Jason bought a jacket on sale for 50% off the original price and another 25% off the discounted price. If the jacket originally cost \$88, what was the final sale price that Jason paid for the jacket?

- A \$22  
 B \$33  
C \$44  
D \$66

