

Math 8 - Ch 1 Fractions Review
Answer Section

MULTIPLE CHOICE

1. A
2. C
3. C
4. B
5. A
6. A
7. B
8. D
9. A
10. B

SHORT ANSWER

11. 2

PROBLEM

12. $\frac{1}{16} \times 32 = 2$ pieces. Audrey ate 2 pieces of cake.
 $\frac{3}{4} \times 32 = 24$ pieces. Her friends ate 24 pieces.

There are 6 pieces of cake left for Audrey's two brothers. They ate $\frac{1}{3}$.

So, $\frac{1}{3} \times 6 = 2$ pieces.

Her brothers together ate 2 pieces.

13. $1\frac{1}{2} \div 36$
 $= \frac{3}{2} \div 36$
 $= \frac{3}{2} \times \frac{1}{36}$
 $= \frac{3}{72}$
 $= \frac{1}{24}$

There would be approximately $\frac{1}{24}$ scoops of raisins in each cookie.

14. $2\frac{2}{3} \div \frac{2}{15}$

$$= \frac{8}{3} \div \frac{2}{15}$$

$$= \frac{8}{3} \times \frac{15}{2}$$

$$= 20$$

There are 20 questions on the test.

15. $2\frac{2}{3}$ of 6

$$= 2\frac{2}{3} \times 6$$

$$= \frac{8}{3} \times 6$$

$$= 16$$

She has 16 dimes.

$$\frac{3}{4}$$
 of 16

$$= \frac{3}{4} \times 16$$

$$= 12$$

She has 12 nickels.

16. 721