6. Joey gave away half of his baseball card collection and sold one third of what remained. What fraction of his original collection does he still have?

f. $\frac{2}{3}$

g. $\frac{1}{6}$

h. $\frac{1}{3}$

i. $\frac{1}{5}$

j. $\frac{2}{5}$

32. What fraction lies exactly halfway between $\frac{2}{3}$ and $\frac{3}{4}$?

F. $\frac{3}{5}$

G. $\frac{5}{6}$

H. $\frac{7}{12}$

J. $\frac{9}{16}$

K. $\frac{17}{24}$

35. Jerome, Kevin, and Seth shared a submarine sandwich. Jerome ate $\frac{1}{2}$ of the sandwich, Kevin ate $\frac{1}{3}$ of the sandwich, and Seth ate the rest. What is the ratio of Jerome's share to Kevin's share to Seth's share?

A. 2:3:6
B. 2:6:3
C. 3:1:2
D. 3:2:1
E. 6:3:2

42. What rational number is halfway between $\frac{1}{5}$ and $\frac{1}{3}$?

F. $\frac{1}{2}$

G. $\frac{1}{4}$

H. $\frac{2}{15}$

J. $\frac{4}{15}$

K. $\frac{8}{15}$

39. In what order should $\frac{5}{3}$, $\frac{7}{4}$, $\frac{6}{5}$, and $\frac{9}{8}$ be listed to be arranged by increasing size?

A. $\frac{9}{8} < \frac{6}{5} < \frac{5}{3} < \frac{7}{4}$

B. $\frac{9}{8} < \frac{6}{5} < \frac{7}{4} < \frac{5}{3}$

C. $\frac{7}{4} < \frac{5}{3} < \frac{9}{8} < \frac{6}{5}$

D. $\frac{6}{5} < \frac{9}{8} < \frac{5}{3} < \frac{7}{4}$

E. $\frac{5}{3} < \frac{6}{5} < \frac{7}{4} < \frac{9}{8}$

18. In which of the following are $\frac{1}{2}$, $\frac{5}{6}$, and $\frac{5}{8}$ arranged in ascending order?

F. $\frac{1}{2} < \frac{5}{8} < \frac{5}{6}$

G. $\frac{5}{6} < \frac{1}{2} < \frac{5}{8}$

H. $\frac{5}{6} < \frac{5}{8} < \frac{1}{2}$

J. $\frac{5}{8} < \frac{1}{2} < \frac{5}{6}$

K. $\frac{5}{8} < \frac{5}{6} < \frac{1}{2}$

31. Which of the following is equal to $\dfrac{\frac{1}{2}-\frac{1}{3}}{\frac{1}{2}+\frac{1}{3}}$?

Adding / subtraction / Division of FRACTIONS

A. $-\frac{5}{1}$

B. $-\frac{1}{5}$

C. $\frac{1}{2}$

D. $\frac{1}{5}$

E. $\frac{1}{6}$

$$\frac{\frac{A}{B}}{\frac{C}{D}} = \frac{AD}{BC}$$

$$\frac{\frac{3}{6}-\frac{2}{6}}{\frac{3}{6}+\frac{2}{6}} = \frac{\frac{1}{6}}{\frac{5}{6}} = \frac{6}{30} = \frac{1}{5}$$

27. The sign below advertises a sale on coats. What is the sale price of a coat with a regular price of $84.00 ?

SALE SALE SALE
All Coats
3/4 off the regular price!
SALE SALE SALE

A. $ 9.00
B. $21.00
C. $42.00
D. $63.00
E. $83.25

ACT-63E-SAMPLE

$\frac{1}{4}$ OR 0.25 of 84 = 21

PERCENT or fraction OF A TOTAL

Question asks Sale Price

The Sale price is $\frac{3}{4}$ off not $\frac{3}{4}$ of

If it's $\frac{3}{4}$ off, then you are only PAYING $\frac{1}{4}$ of Full Price

$\frac{1}{4}$ of 84 = 21

37. Mike has 12 bags of shredded cheese to use to make pizzas. If he uses $\frac{3}{4}$ of a bag of cheese for each pizza, how many pizzas can he make?

a. 12

b. 24

c. 36

d. 9

e. 16