1. Ian jogged $2\frac{1}{3}$ miles on Saturday and $1\frac{4}{5}$ miles on Sunday. What was the total distance, in miles, Ian jogged during those 2 days?

A. $2\frac{4}{15}$

B. $3\frac{1}{3}$
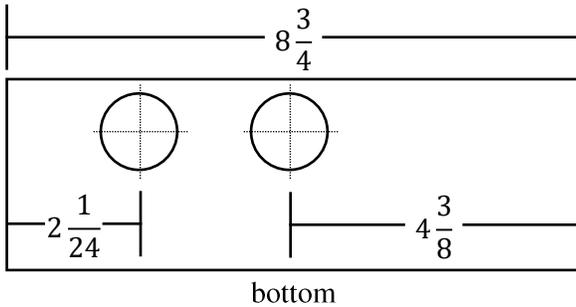
C. $3\frac{5}{8}$

D. $3\frac{13}{15}$

E. $4\frac{2}{15}$

2. What rational number is exactly halfway between $\frac{3}{9}$ and $\frac{6}{15}$?

F. $\frac{1}{30}$

G. $\frac{3}{16}$

H. $\frac{11}{30}$

J. $\frac{3}{8}$

K. $\frac{11}{15}$

3. In a company, no employee works in more than 1 of the following departments: $\frac{1}{4}$ the employees work in hospitality, $\frac{1}{8}$ work in marketing, $\frac{3}{10}$ work in accounting, and $\frac{7}{40}$ work in management. What fraction of the company does not work in any 1 of these 4 departments?

A. $\frac{1}{30}$

B. $\frac{21}{12,800}$

C. $\frac{6}{40}$

D. $\frac{12}{62}$

E. $\frac{34}{40}$

4. A landscaper has 8 gallons of stain to paint a deck. On the first day, she uses $2\frac{1}{6}$ gallons of stain. On the second day, she uses $3\frac{1}{4}$ gallons of stain. On the third day, she uses $1\frac{3}{5}$ gallons of stain and finishes painting the deck. How many gallons of stain are left when she finishes painting the deck?

F. $\frac{59}{60}$

G. $1\frac{1}{60}$

H. $2\frac{7}{12}$

J. $3\frac{3}{20}$

K. $7\frac{1}{60}$

	1	2	3	4
Answer Key	E	H	C	F

5. A machine is programmed to punch holes in sheets of cardboard. The centers of the circles lie on the same line parallel to the bottom of the sheet of cardboard. If the dimensions in the figure below are given in centimeters, what is the distance, in centimeters, between the centers of the 2 holes in the cardboard sheet?

$8\dfrac{3}{4}$

$2\dfrac{1}{24}$ $4\dfrac{3}{8}$

bottom

A. $1\dfrac{1}{6}$

B. $2\dfrac{1}{3}$

C. $4\dfrac{5}{8}$

D. $6\dfrac{5}{12}$

E. $6\dfrac{17}{24}$

6. The Raekwon family is taking an island vacation and expresses its budgeted expenses in the chart below.

Expense	Fraction of budget
transportation	$\dfrac{1}{18}$
food	$\dfrac{1}{6}$
hotel	$\dfrac{5}{12}$
entertainment	$\dfrac{2}{9}$
souvenirs	$\dfrac{1}{36}$

What fraction of the vacation expenses is left over for unbudgeted items?

F. $\dfrac{1}{9}$

G. $\dfrac{2}{9}$

H. $\dfrac{4}{9}$

J. $\dfrac{7}{9}$

K. $\dfrac{8}{9}$

	5	6
Answer Key	B	F