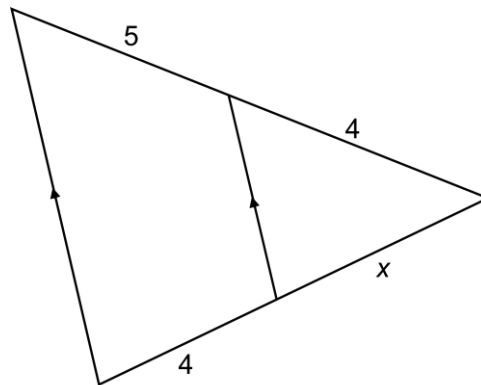


EUCLIDEAN GEOMETRY 4: QUIZ SOLUTIONS

Question 1

In the diagram, what is the value of x ?



A. $3\frac{1}{5}$

B. 4

C. $4\frac{1}{5}$

D. 5

Solution

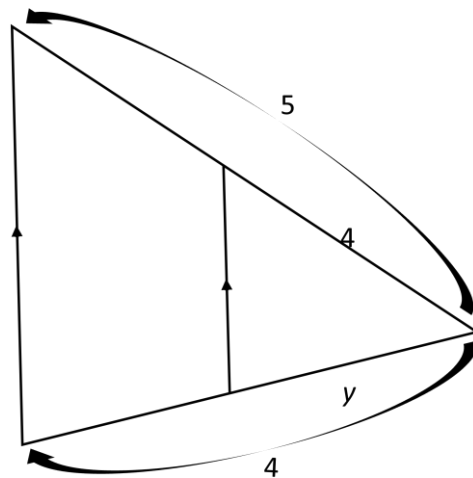
From the diagram

$$\frac{x}{4} = \frac{4}{5}$$
$$\therefore x = \frac{4}{5} \times 4 = \frac{16}{5}$$

So, the correct answer is A.

$3\frac{1}{5}$ Question 2

In the diagram, what is the value of y ?



A. $3\frac{1}{5}$

B. 4

C. $4\frac{1}{5}$

D. 5

Solution

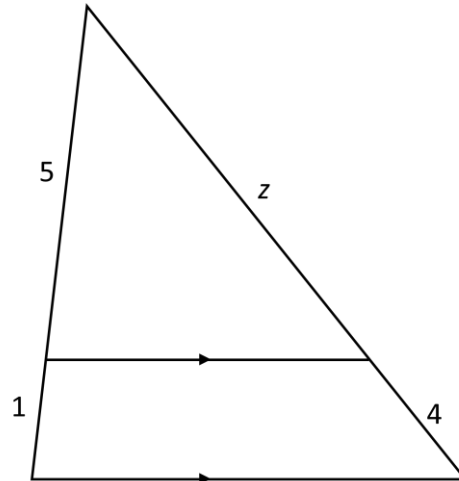
From the diagram

$$\frac{y}{4} = \frac{4}{5}$$
$$\therefore y = \frac{4}{5} \times 4 = \frac{16}{5}$$

So, the correct answer is A.

Question 3

In the diagram, what is the value of z ?



- A. 10 B. 15 C. 20 D. 25

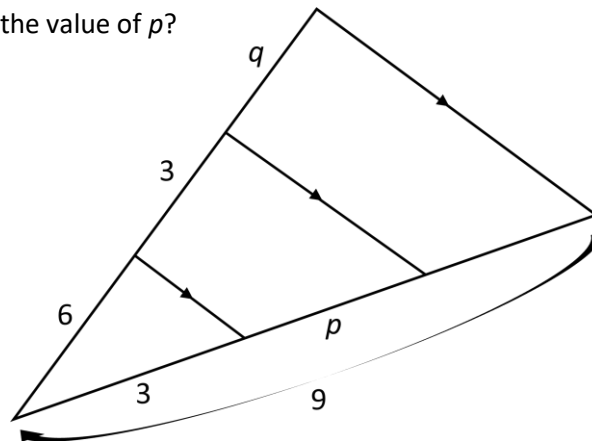
Solution

From the diagram $\frac{z}{4} = \frac{5}{1}$
 $\therefore z = \frac{5}{1} \times 4 = 20$

So, the correct answer is C.

Question 4

In the diagram, what is the value of p ?



- A. $\frac{1}{2}$ B. $\frac{3}{2}$ C. $\frac{5}{2}$ D. $\frac{7}{2}$

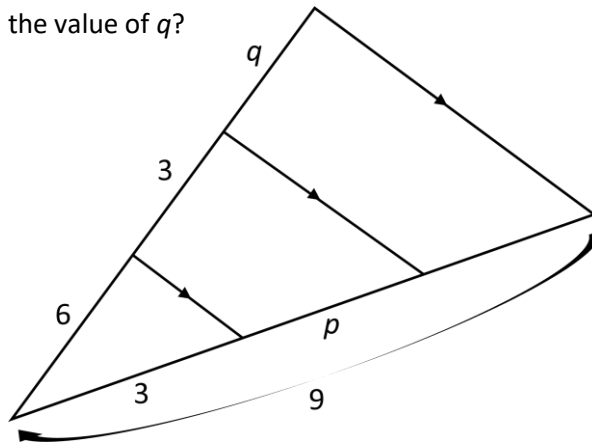
Solution

From the diagram $\frac{p}{3} = \frac{3}{6}$
 $\therefore p = \frac{3}{6} \times 3 = \frac{3}{2}$

So, the correct answer is B.

Question 5

In the diagram, what is the value of q ?



A. 3

B. 5

C. 7

D. 9

Solution

From the diagram

$$\frac{q + 3 + 6}{6} = \frac{9}{3}$$
$$\therefore q + 9 = \frac{9}{3} \times 6$$
$$\therefore q = 9$$

So, the correct answer is D.