



direc

Worksheet 1



BELIEVE YOU CAN, AND YOU'RE HALFWAY THERE

1 2 3 4

1. ₹ 207 divided among three friends A, B and C in the ratio $\frac{1}{6} : \frac{1}{4} : \frac{1}{3}$, then B's share = _____

A. ₹ 46

B. ₹ 92

C. ₹ 138

D. ₹ 69

2. The points P, Q, R and S lie on a straight line. The ratio of the length of PQ to the length of QR is 3: 4 and the ratio of the length of PR to the length of RS is 2: 1. Find the ratio of the length of QR to the length of PS.

A. 7 : 19

B. 10 : 21

C. 21 : 8

D. 8 : 21

3. Akshita writes 1050 words in 60 minutes. How many words would she write in $1\frac{1}{2}$ hours, if speed of writing is same?

A. 1645

B. 1575

C. 1445

D. 1757

4. A question paper consists of questions, each carrying $\frac{1}{2}$ mark, 1 mark and 2 marks in the ratio 2 : 2 : 1. If the maximum marks in the exam is 100, then find number of questions of 2 marks.

A. 40

B. 20

C. 60

D. 30

5. If p and q are direct proportion, then $\frac{1}{p}$ and $\frac{1}{q}$ are _____.

A. in direct proportion

B. in inverse proportion

C. neither in direct nor in inverse proportion

D. sometimes in direct and sometimes in inverse proportion.

6. A teacher has 54 books. After giving three books to each student, he is left with 9 books. How many students are there in the class?

A. 20

B. 18

C. 15

D. 25

7. Which of the following vary directly?

A. Number of workers and number of days taken to complete a work.

B. Number of units of current used and the amount of charge for consumption.

C. Speed of a vehicle and time taken to cover a fixed distance.

D. The price of goods and its consumption.

8. 1000 soldiers in a fort had enough food for 20 days. But some soldiers were transferred to another fort and the food lasted for 25 days. How many soldiers were transferred?

- A. 200 B. 250 C. 310 D. None of these
-

9. If $(25)^x = (125)^y$, find $x : y$,

- A. 1 : 1 B. 2 : 3 C. 3 : 2 D. 1 : 3
-

10. The ratio between the exterior angle and the interior angle of a regular polygon is 2 : 3. Find the number of sides of the polygon.

- A. 10 B. 5 C. 6 D. 3
-



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Answer Key

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



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