



# MATHS

## BOOKS - RS AGGARWAL MATHS (HINGLISH)

### SIMPLIFICATION

#### Example

1. Simplify :  $18 - 6 \div 2 \times 3$

A. 8

B. 9

C. 10

D. 11

**Answer: B**



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**2. Simplify :  $15 + 24 \div 3 - 1 \times 6$**



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3. Simplify :

$$16 - [11 - \{8 \div (17 + 3 \times 2 - 19)\}]$$

A. 6

B. 7

C. 8

D. 9

**Answer: B**



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4. Simplify :  $14 - [12 - \{9 - (7 - \overline{6 - 2})\}]$



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5. Simplify :  $5\frac{1}{2}$  of  $\left(\frac{2}{3} - \frac{3}{5}\right) + \frac{1}{2} + \frac{5}{11}$



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6.

Simplify:

$$\left[3\frac{1}{4} \div \left\{1\frac{1}{4} - \frac{1}{2} \left(2\frac{1}{2} - \frac{1}{4} - \frac{1}{6}\right)\right\}\right].$$



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7. Find (i)  $\sqrt{36}$  (ii)  $\sqrt{49}$  (iii)  $\sqrt{64}$



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## Exercise 6 A

1.  $21 - 12 \div 3 \times 2$



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$$2. 16 + 8 \div 4 - 2 \times 3$$



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$$3. 13 - (12 - 6 \div 3)$$



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$$4. 19 - [4 + \{16 - (12 - 2)\}]$$



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$$5. 36 - [18 - \{14 - (15 - 4 \div 2 \times 2)\}]$$



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$$6. \text{Simplify } 27 - [18 - \{16 - (5 - 4 - 1)\}]$$

A. 28

B. 13

C. 22

D. 23

**Answer: D**



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$$7. 4\frac{4}{5} \div \frac{3}{5} \text{ of } 5 + \frac{4}{5} \times \frac{3}{10} - \frac{1}{5}$$



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$$8. \left( \frac{2}{3} + \frac{4}{9} \right) \text{ of } \frac{3}{5} + 1\frac{2}{3} \times 1\frac{1}{4} - \frac{1}{3}$$



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$$9. 7\frac{1}{3} \div \frac{2}{3} \text{ of } 2\frac{1}{5} + 1\frac{3}{8} \div 2\frac{3}{4} - 1\frac{1}{2}$$



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$$10. 5\frac{1}{7} - \left\{ 3\frac{3}{10} \div \left( 2\frac{4}{5} - \frac{7}{10} \right) \right\}$$



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$$11. 9\frac{3}{4} \div \left[ 2\frac{1}{6} + \left\{ 4\frac{1}{3} - \left( 1\frac{1}{2} + 1\frac{3}{4} \right) \right\} \right]$$



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12.

$$4\frac{1}{10} - \left[ 2\frac{1}{2} - \left\{ \frac{5}{6} - \left( \frac{2}{5} + \frac{3}{10} - \frac{4}{15} \right) \right\} \right]$$



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13.  $1\frac{5}{6} + \left[ 2\frac{2}{3} - \left\{ 3\frac{3}{4} \left( 3\frac{4}{5} \div 9\frac{1}{2} \right) \right\} \right]$



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14.  $4\frac{4}{5} \div \left\{ 2\frac{1}{5} - \frac{1}{2} \left( 1\frac{1}{4} - \left( \frac{1}{4} - \frac{1}{5} \right) \right) \right\}$



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15.

$$7\frac{1}{2} - \left[ 2\frac{1}{4} \div \left\{ 1\frac{1}{4} - \frac{1}{2} \left( \frac{3}{2} - \frac{1}{3} - \frac{1}{6} \right) \right\} \right]$$



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## Exercise 6 B

$$1.8 + 4 \div 2 \times 5 = ?$$

A. 30

B. 50

C. 18

D. none of these

**Answer: C**



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$$2.54 \div 3 \text{ of } 6 + 9 = ?$$

A. 117

B. 12

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

D. none of these

**Answer: B**



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**3.  $13 - (12 - 6 \div 3) = ?$**

A. 11

B. 3

C.  $\frac{7}{3}$

D. none of these

**Answer: B**



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4.  $1001 \div 11$  of  $13 = ?$

A. 7

B. 1183

C. 847

D. none of these

**Answer: A**



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5.  $133 + 28 \div 7 - 8 \times 2 = ?$

A. 7

B. 121

C. 30

D. none of these

**Answer: B**



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6.  $3640 - 14 \div 7 \times 2 = ?$

A. 3636

B. 1036

C. 1819

D. none of these

**Answer: A**



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$$7. 100 \times 10 - 100 + 2000 \div 100 = ?$$

A. 29

B. 920

C. none of these

D.

**Answer: B**



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8.  $17 - [18 - \{16 - (5 - \overline{4 - 1})\}] = ?$

A. 25

B. 13

C. 23

D. none of these

**Answer: B**



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$$9. 32 - [48 \div \{36 - (27 - \overline{16 - 9})\}] = ?$$

A. 29

B.  $\frac{520}{17}$

C. 39

D. none of these

**Answer: A**



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$$10. 8 - [28 \div \{34 - (36 - 18 \div 9 \times 8)\}] = ?$$

A. 6

B.  $6\frac{4}{9}$

C. -6

D. none of these

**Answer: A**



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1.  $-16 - [11 + \{8 - 6(6 - \overline{4 - 2})\}]$



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2.  $16 + 8 \div 4 - 2 \times 3$



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3.  $36 - [18 - \{14 - (15 - 4 \div 2 \times 2)\}]$

A. 20

B. 19

C. 21

D. 23

**Answer: C**



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$$4. 15 + 5 \div 5 \times 2 = ?$$

A. 8

B. 2

C. 17

D. none of these

**Answer: C**



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5.  $16 - 2 \div 7 + 6 \times 2 = ?$

A. 16

B. 14

C.  $27\frac{5}{7}$

D. none of these

**Answer: C**



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6.  $54 \div 3 \text{ of } 6 + 9 = ?$

A. 117

B. 12

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

D. none of these



**Answer: B**



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## Exercise

1. Avani has a number of Rs. 1 and Rs. 2 coins in her purse. If the number of Rs. 2 coins is double the number of Rs. 1 coins and total amount is Rs. 65. Find the number of Rs.1 and Rs. 2 coins each.



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2. Bharti has a number of Rs. 2 and Rs. 5 coins in her purse. If the number of Rs. 2 coins is double the number of Rs. 5 coins and total amount is Rs. 144. Find the number of Rs. 2 and Rs. 5 coins each.



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