





WBCS 2022



MATHS

SIMPLIFICATION



What will come in the place of question mark (?) in the given expression?

$$45\% \text{ of } 1600 - 420 = ? \times 15$$

☒ 20 ✓

☐ 15

☐ 10

☐ 24

☐ 30

$$\frac{45}{100} \times 1600 - 420 = x \times 15$$

$$\Rightarrow 720 - 420 = x \times 15$$

$$\Rightarrow x = \frac{300}{15} \boxed{20}$$

What will come in the place of question mark (?) in the given expression?

✓ $25^2 - (3/5) \times 600 = ? + 105$

☐ 170

☐ 80

☐ 105

☐ 120

☒ 160 ✓

$$625 - \frac{3}{5} \times \overset{120}{\cancel{600}} = x + 105$$

$$\Rightarrow 265 = x + 105$$

$$\Rightarrow x = 265 - 105$$
$$= \boxed{160}$$

What will come in the place of question mark (?) in the given expression?

✓✓ 24% of 150 + 42% of 550 = ?

☐ 317

☐ 223

☐ 267

☐ 275

☐ 196

$$\frac{24}{100} \times 150 + \frac{42}{100} \times 550$$

$$\Rightarrow 36 + 231$$

$$\Rightarrow \boxed{267} \checkmark$$

What will come in the place of question mark (?) in the given expression?

$$(16 \times 15) - 180 = ? \div 5$$

- ☐ 240
- ☐ 300
- ☐ 320
- ☐ 200
- ☐ 150

$$240 - 180 = \frac{x}{5}$$

$$\Rightarrow 60 \times 5 = x$$

$$\boxed{x = 300}$$

What will come in the place of question mark (?) in the given expression?

$$(221 + 124) \div 15 = ? - 13^2$$

☐ 146

☐ 152

☐ 208

☐ 176

☐ 192

$$\frac{23 \cancel{37} 15}{15} = x - 169$$

$$x = 23 + 169$$

$$\Rightarrow \boxed{192} \checkmark$$

What will come in the place of question mark (?) in the given expression?

$$(\underline{215} + \underline{15^2}) \div 11 = ? \div 10$$

☐ 360

☒ 400

☐ 250

☐ 500

☐ 540

$$\frac{(215 + 225)}{11} = \frac{x}{10}$$

$$\Rightarrow \frac{40 \cancel{440}}{11} \times 10 = x$$

$$\Rightarrow \boxed{x = 400}$$

What will come in the place of question mark (?) in the given expression?

$$75\% \text{ of } 2400 - 20^2 = ? \times 20$$

☐ 60

☐ 90

☒ 70

☐ 50

☐ 40

$$\frac{75}{100} \times 2400 - 400 = x \times 20$$

$$\Rightarrow 1800 - 400 = x \times 20$$

$$\Rightarrow x = \frac{1400}{20} = 70$$



WBCS BATCH 2022



Tue, Thu → 12:30pm



MONDAY TO FRIDAY - 11:30 AM TO 1:30 PM

W.B.C.S - YouTube schedule for 5-days

TIMING	DAYS				
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
11:30	ECO	CA	ECO	POL	BEN
12:00	REAS	SCI	POL	SCI	REAS
12:30	ENG	MATHS	ENG	MATHS	ENG
13:00	GEO	HIS	GEO	HIS	HIS



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TIMING- 4:15-5:15PM



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26TH FEBRUARY

TIMING - 1:30-5:30PM

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