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Approximation Questions - Download the PDF now!

Approximation questions are a major type of questions asked in competitive exams. These questions carry a weightage of 1-2 questions (2-4 marks) in SSC exams and 5-10 questions in bank exams. To get a good rank in competitive exams, it is important to know how to solve approximation questions in a speedy way.

Here are some tips for solving Approximation questions: Identify the important digits, focus on the most significant digits, use rounding off rules, after converting all the approximate values into integers, solve them using basic simplification rules. Remember in bank exams they can go up to 10 questions in a set, hence maintaining speed and accuracy while solving these questions will award you some major marks.

So, we have attached 10 questions of Approximation for you to practice with. You should aim to solve these questions in less than half a minute for each.

Practice Questions on Approximation

You can also download the Approximation questions and answers pdf. Just click on the **Download PDF** button. So let's start with the very first question.

Direction (1 - 10): What approximate value will come in place of question mark (?) in the following question?

Q:1 74.79% of 1344.11 + 12.48% of 128.20 = ?

1. 1048

2. 1024

3. 1072

4. 1096

5. 1120

(**Difficulty:** 3, **Estimated Time:** 20 Seconds) Try converting percentages to fractions..

Q:2 33.30003% of 509.99 = ?

1. 140

2. 185

3. 155

4. 170

5. 100

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(Difficulty: 2, **Estimated Time:** 15 Seconds) This was a cake walk....

Q:3 24.987% × 639.97 + 45.21% of 359 = ?

1. 358

2. 378

3. 322

4. 302

5. 288

(Difficulty: 3, **Estimated Time:** 20 Seconds) A similar one...

Q:4 √2499.99 + 14.97% of 14 =?

1. 40

2. 45

3. 52

4. 58

5. 64

(Difficulty: 3, **Estimated Time:** 20 Seconds) Do you remember squares up to 50? Yes they save your precious seconds

Q:5 8399.99 × 14.996 ÷ 374.982 + √16.011 = ?

1. 564

2. 340

3. 320

4. 324

5. 384

(Difficulty: 3, **Estimated Time:** 20 Seconds) We're halfway through. Have you got all your questions correct so far?

Q:6 3699.98 ÷ 99.97 + 2640.02 ÷ 29.98 − $\frac{9.9}{11.9}$ of 95.89 = ?

1. 76

2. 66

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3. 32

4. 36

5. 45

(**Difficulty:** 3, **Estimated Time:** 20 Seconds) Remember the rule of BODMAS...

Q:7 $\sqrt{1294} + \sqrt{674} + \sqrt[3]{729.12}\ 3 = 71.01\%$ of ?

1. 168

2. 192

3. 78

4. 718

5. 100

(**Difficulty:** 2, **Estimated Time:** 15 Seconds) The time is ticking. Hurry up!

Q:8 $11.89 \div 2.87 + 124.9 \div 4.98 = 9.9\%$ of ?

1. 490

2. 390

3. 190

4. 290

5. 590

(**Difficulty:** 3, **Estimated Time:** 20 Seconds) Don't make mistakes while rounding off...

Q:9 $34.98\ \%$ of $400.01 + 49.97\ \%$ of $249.98 = 499\%$ of ?

1. 226

2. 53

3. 26

4. 216

5. 136

(**Difficulty:** 2, **Estimated Time:** 15 Seconds) Another easy one! Let's score more...

Q:10 $21.01^2 + 31.9^2 - 40.01^2 = ? - 26.9^2$

1. 485

2. 459

3. 594

4. 694

(**Difficulty:** 2, **Estimated Time:** 15 Seconds) Did you guess them all correctly?

Answer Key

Let's check out your score in this test.

1. (2)	2. (4)	3. (3)	4. (3)	5. (2)
6. (5)	7. (5)	8. (4)	9. (2)	10. (3)

Comment below your score, considering each question has 1 mark only. If you scored 8 to 10, congratulations! You are one step closer to selection. If you have scored 5 to 8 marks, then you are doing well, keep it up. If you have scored less than 5 marks then you need to work a little harder on this subject. But don't worry, we are here to help you master the subject.

Let's check the answers and solutions and try to find out what went wrong.

Answers and Solutions

Q:1 The correct answer is **option 2** i.e. **1024**

74.79% of 1344.11 + 12.48% of 128.20 = ?

Taking approximate values,

75% of 1344 + 12.5% of 128 = ?

$3/4 \times 1344 + 1/8 \times 128 = ?$

1008 + 16 = ?

1024 = ?

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Q:2 The correct answer is **option 4** i.e. **170**

33.30003% of 509.99 = ?

Taking approximate values,

33.33% of 510 = ?

510/3 = ?

? = 170

Q:3 The correct answer is **option 3** i.e. **322**

24.987% × 639.97 + 45.21% of 359 = ?

Taking approximate values,

? = 25% × 640 + 45% of 360

? = 160 + 162 = 322

Q:4 The correct answer is **option 3** i.e. **52**

$\sqrt{2499.99}$ + 14.97% of 14 = ?

Taking approximate values,

$\sqrt{2500}$ + 15/100 × 14 = ?

50 + 2.1 = ?

52 ≈ ?

Q:5 The correct answer is **option 2** i.e. **340**

8399.99 × 14.996 ÷ 374.982 + $\sqrt{16.011}$ = ?

Taking approximate values,

(8400 × 15)/375 + $\sqrt{16}$ = ?

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$(84 \times 100)/25 + 4 = ?$

$336 + 4 = ?$

$340 = ?$

Q:6 The correct answer is **option 5** i.e. **45.**

$3699.98 \div 99.97 + 2640.02 \div 29.98 - \dfrac{9.9}{11.9}$ of $95.89 = ?$

Taking approximate values,

$? = 3700/100 + \dfrac{3700}{100} + \dfrac{2640}{30} - \dfrac{10}{12} \times 96$

$? = 37 + 88 - 80 = 45$

Q:7 The correct answer is **option 5** i.e. **100.**

$\sqrt{1294} + \sqrt{674} + \sqrt[3]{729.12} = 71.01\%$ of $?$

Taking approximate values,

$\dfrac{71}{100} \times ? = 36 + 26 + 9$

$\Rightarrow ? = 100$

Q:8 The correct answer is **option 4** i.e. **290.**

$11.89 \div 2.87 + 124.9 \div 4.98 = 9.9\%$ of $?$

Taking approximate values,

$\dfrac{?}{10} = 12 \div 3 + 125 \div 5$

$\Rightarrow ? = 290$

Q:9 The correct answer is **option 2** i.e. **53.**

34.98% of $400.01 + 49.97 \%$ of $249.98 = 499\%$ of $?$

Taking approximate values,

$\frac{500}{100} \times ? = \frac{35}{100} \times 400 + \frac{50}{100} \times 250$

$\Rightarrow ? = 265/5 \Rightarrow ? = 53$

Q:10 The correct answer is **option 3** i.e. **594.**

$21.01^2 + 31.9^2 - 40.01^2 = ? - 26.9^2$

Taking approximate values,

$? = 21^2 + 32^2 - 40^2 + 27^2$

$? = 441 + 1024 - 1600 + 729 = 594$

So, this is it for today. We will meet again with another new topic. Till then, you can practice the questions again by downloading the PDF of Approximation.