KS3 Maths Quiz
Approximating

EducationQuizzes

Approximations are made by rounding numbers up or down. It is useful to approximate the answer to calculations in maths. It means you can check if your answers are correct.

Test your knowledge of approximating in the following quiz.

1. By rounding to the nearest 10, what is the approximate answer to 79 x 22?

[ ] 1,500

[ ] 1,600

[ ] 1,700

[ ] 1,800

2. By rounding to the nearest 10, what is the approximate answer to 1,537 / 222?

[ ] 7

[ ] 7.2

[ ] 7.4

[ ] 7.5

3. The length of a football pitch is 110m to the nearest 10 metres. What is the smallest possible length it could be?

[ ] 100

[ ] 105

[ ] 107

[ ] 110

4. To the nearest 100, round 6,691 and 468.

[ ] 6,000 and 400

[ ] 6,000 and 500

[ ] 6,600 and 500

[ ] 6,700 and 500

5. The Royal Opera House has 2,256 seats. To the nearest 10, approximately how many seats are there?

[ ] 2,000

[ ] 2,200

[ ] 2,260

[ ] 2,270

6. A tombola holds 27,600 tickets to the nearest 100. What is the maximum number of tickets in the tombola?

[ ] 27,600

[ ] 27,649

[ ] 27,650

[ ] 27,700

7. To the nearest 10, round 4,483 and 4,999.

[ ] 4,400 and 4,900

[ ] 4,480 and 5,000

[ ] 4,490 and 4,990

[ ] 4,490 and 5,000

8. To the nearest 100, round 4,483 and 4,999.

[ ] 4,400 and 4,800

[ ] 4,400 and 4,900

[ ] 4,500 and 4,900

[ ] 4,500 and 5,000

9. Give the answer to 7,743 / 5 to the nearest 100.

[ ] 100

[ ] 1,400

[ ] 1,500

[ ] 1,600

10. By rounding 5,639 x 147 to the nearest 10, what is the approximate answer?

[ ] 800,000

[ ] 836,000

[ ] 840,000

[ ] 846,000

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Approximating

1. By rounding to the nearest 10, what is the approximate answer to 79 x 22?

[ ] 1,500

[x] 1,600

[ ] 1,700

[ ] 1,800

80 x 20 = 1,600

2. By rounding to the nearest 10, what is the approximate answer to 1,537 / 222?

[x] 7

[ ] 7.2

[ ] 7.4

[ ] 7.5

1,540 / 220 = 7

3. The length of a football pitch is 110m to the nearest 10 metres. What is the smallest possible length it could be?

[ ] 100

[x] 105

[ ] 107

[ ] 110

Remember to round up if the value is halfway!

4. To the nearest 100, round 6,691 and 468.

[ ] 6,000 and 400

[ ] 6,000 and 500

[ ] 6,600 and 500

[x] 6,700 and 500

5. The Royal Opera House has 2,256 seats. To the nearest 10, approximately how many seats are there?

[ ] 2,000

[ ] 2,200

[x] 2,260

[ ] 2,270

6. A tombola holds 27,600 tickets to the nearest 100. What is the maximum number of tickets in the tombola?

[ ] 27,600

[x] 27,649

[ ] 27,650

[ ] 27,700

One more ticket and it would be rounded up to 27,700!

7. To the nearest 10, round 4,483 and 4,999.

[ ] 4,400 and 4,900

[x] 4,480 and 5,000

[ ] 4,490 and 4,990

[ ] 4,490 and 5,000

8. To the nearest 100, round 4,483 and 4,999.

[ ] 4,400 and 4,800

[ ] 4,400 and 4,900

[ ] 4,500 and 4,900

[x] 4,500 and 5,000

9. Give the answer to 7,743 / 5 to the nearest 100.

[ ] 100

[ ] 1,400

[x] 1,500

[ ] 1,600

7,700 / 5 = 1,540 which is 1,500 to the nearest 100

10. By rounding 5,639 x 147 to the nearest 10, what is the approximate answer?

[ ] 800,000

[ ] 836,000

[ ] 840,000

[x] 846,000