

Decimals Diagnostic

Q1. Which of the following is more than 0.45?

- a) 0.55 b) 0.080 c) 0.395 d) 0.075

Q2. One hundredth is equal to

- a) 100 b) 0.01 c) 0.1 d) 0.001

Q3. Calculate $18.9 \div 10$

- a) 0.189 b) 1.89 c) 0.0189 d) 0.00189

Q4. "Two and two tenths" written as a decimal is:

- a) 20.2 b) 2.02 c) 0.22 d) 2.2

Q5. Which is the biggest decimal?

- a) 0.11 b) 0.109 c) 0.099 d) 0.09

Q6. Round 6.349 to the nearest hundredth.

- a) 6.34 b) 6.4 c) 6.35 d) 6.3

Q7. The number 246.98 represents 2 hundreds, 4 tens, 6 units and eight hundredths.

What does the 9 represent?

- a) 9 tenths b) 9 hundredths c) 9 thousandths d) 9 tens

Q8. What type of decimal is 0.75?

- a) recurring b) terminating c) non-repeating d) fixed

Q9. Calculate $200 \div 0.5$

- a) 100 b) 200.5 c) 400 d) 199.5

Q10. $58.42 - 13.88$

- a) 44.66 b) 44.54 c) 44.64 d) 45.54

Q11. 22.59×40.19

- a) 1298.709 b) 22.59 c) 40.19 d) 907.8921

Q12. $357 \div 1.5$

- a) 1.5 b) 832 c) 238 d) 357

Q13. $14.7 \div 0.7$

- a) 0.7 b) 21 c) 14.7 d) 12

Q14. $65.61 + 33.26$

- a) 98.87 b) 65.61 c) 33.26 d) 78.89

Q15. $86.27 + 65.14$

- a) 86.27 b) 65.14 c) 151.41 d) 14.151

Q16. 73.24×5.1

- a) 5.1 b) 373.524 c) 73.24 d) 425.373

Q17. $3.31 - 2.13$

- a) 1.18 b) 81.1 c) 2.13 d) 3.31

Q18. Change 0.41 to an ordinary fraction

a) $\frac{41}{100}$

b) $\frac{41}{10}$

c) $\frac{41}{1000}$

d) $\frac{100}{41}$

Q19. $4.75 + 2.5 + 0.906 =$

a) 8.256

b) 8.146

c) 6.156

d) 8.156

Q20. 0.25 times 140 =

a) 40

b) 20

c) 35

d) 2

Q21. $(1.2)^2$ is equal to

a) 1.44

b) 144

c) 1440

d) 14.4

Q22. Round 15.725 to the nearest tenth

a) 15

b) 15.8

c) 16

d) 15.7

Q23. Change 0.8 to a fraction in its simplest form

a) $\frac{4}{5}$

b) $\frac{8}{100}$

c) $\frac{8}{10}$

d) $\frac{6}{8}$

Q24. Which decimal represents one hundred and seventy five one hundredth?

a) 100.175

b) 100.0075

c) 100.75

d) 100.075