

Decimals — Mixed Practice Answer Key

Foundation to Challenge · Answers with working for word problems

Foundation · Questions 1–10

1. What is the value of the digit 6 in 8.463?

Answer: 0.06

2. Write $5 + 0.07 + 0.009$ as a decimal.

Answer: 5.079

3. Insert $>$, $<$ or $=$: 0.508 ____ 0.58 .

Answer: $0.508 < 0.58$

4. Arrange 1.08, 1.8, 1.008 and 1.18 in ascending order.

Answer: 1.008, 1.08, 1.18, 1.8

5. Round 6.83 to 1 decimal place.

Answer: 6.8

6. Round 12.647 to 2 decimal places.

Answer: 12.65

7. Calculate $7.45 + 3.8$.

Answer: 11.25

8. Calculate $13.1 - 5.86$.

Answer: 7.24

9. Calculate 0.36×10 .

Answer: 3.6

10. Calculate $84.5 \div 100$.

Answer: 0.845

Developing · Questions 11–20

11. Calculate 0.6×0.3 .

Answer: 0.18

12. Calculate $8.64 \div 4$.

Answer: 2.16

13. Write $\frac{3}{5}$ as a decimal.

Answer: 0.6

14. Write 0.42 as a percentage.

Answer: 42%

15. A notebook costs RM3.65. Find the cost of three notebooks.

Answer: RM10.95

16. Write 0.306 in expanded form.

Answer: $0.3 + 0.006$

17. Round 27.496 to 2 decimal places.

Answer: 27.50

18. Calculate $15.608 + 9.74$.

Answer: 25.348

19. Calculate $30 - 12.485$.

Answer: 17.515

20. Calculate 2.8×1.25 .

Answer: 3.5

Challenge · Questions 21–30

21. Calculate $9.45 \div 0.9$.

Answer: 10.5

22. Write $11/25$ as a decimal and a percentage.

Answer: 0.44 and 44%

23. A jug holds 1.25 L of juice. How many litres are in 7 jugs?

Answer: 8.75 L

24. Put 0.609, 0.6901, 0.6095 and 0.69 in descending order.

Answer: 0.6901, 0.69, 0.6095, 0.609

25. Calculate $(8.4 - 2.65) \times 0.6$.

Answer: 3.45

26. Calculate $7.2 \div 0.12$.

Answer: 60

27. A 14.2 m wire is cut into 0.9 m lengths. How many complete lengths can be cut, and how much wire is left?

Answer: 15 lengths; 0.7 m left ($14.2 - 15 \times 0.9 = 0.7$)

28. A jacket costs RM64.80. Its price is reduced by 25%. Find the sale price.

Answer: RM48.60 (25% of RM64.80 = RM16.20; RM64.80 – RM16.20 = RM48.60)

29. A container has 22.5 L of water. Each day 1.75 L is used. How much remains after 8 days?

Answer: 8.5 L ($22.5 - 8 \times 1.75 = 8.5$)

30. A rectangle is 4.8 cm long and 3.25 cm wide. Find its area.

Answer: 15.6 cm² (4.8×3.25)