

Year 5 mental maths worksheet

Year 5 | Upper KS2

Name _____ Class _____ Date _____

Score _____ / 24

Work each answer out in your head where you can and write it in the box. Jot down working if it helps.

Example: $3200 + 499 = 3699$. Add 500, then subtract 1.

Section A · Quick recall

1. $4500 + 199 =$

2. $6200 - 998 =$

3. $0.7 + 0.8 =$

4. $3.5 - 1.2 =$

5. $24 \times 5 =$

6. 360 divided by 9 =

7. $4.25 \times 100 =$

8. 630 divided by 10 =

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Section B · Connect the facts

9. What is 7 squared?

Answer

10. What is 3 cubed?

Answer

11. One quarter of 180.

Answer

12. Three fifths of 40.

Answer

13. 10% of 350.

Answer

14. 25% of 64.

Answer

15. $\frac{1}{2} + \frac{1}{4} =$ (give a fraction).

Answer

16. Write 0.6 as a fraction in simplest form.

Answer

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Section C · Apply in context

17. Round 3.47 to one decimal place.

Answer

18. How many centimetres are in 1.5 m?

Answer

19. Next number: 2.5, 3.25, 4, ____.

Answer

20. $99 \times 6 =$

Answer

21. 4 tickets cost £7.50 each. Total cost in pounds?

Answer

22. A 2 kg bag loses 350 g. Mass left in grams?

Answer

23. An £80 jacket is reduced by 25%. New price in pounds?

Answer

24. A rectangle is 12 cm by 5 cm. Perimeter in cm?

Answer

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Check each answer and its method. Equivalent forms are correct unless a question asks for a particular form or degree of accuracy.

Section A · Quick recall

1. 4699

$4500 + 199 = 4699$. Use known facts or partition the numbers.

2. 5202

$6200 - 998 = 5202$. Use known facts or partition the numbers.

3. 1.5

$0.7 + 0.8 = 1.5$. Use known facts or partition the numbers.

4. 2.3

$3.5 - 1.2 = 2.3$. Use known facts or partition the numbers.

5. 120

$24 \times 5 = 120$. Use known facts or partition the numbers.

6. 40

$360 \text{ divided by } 9 = 40$. Use known facts or partition the numbers.

7. 425

$4.25 \times 100 = 425$. Use known facts or partition the numbers.

8. 63

$630 \text{ divided by } 10 = 63$. Use known facts or partition the numbers.

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Section B · Connect the facts

9. 49

7×7 .

10. 27

$3 \times 3 \times 3$.

11. 45

Halve twice.

12. 24

Divide by five, then multiply by three.

13. 35

Divide by ten.

14. 16

A quarter is twenty-five percent.

15. $\frac{3}{4}$

Convert one half to two quarters.

16. $\frac{3}{5}$

Six tenths simplify to three fifths.

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Section C · Apply in context

17. 3.5

The hundredths digit seven rounds the tenths up.

18. 150

Multiply by one hundred.

19. 4.75

Add three quarters.

20. 594

Multiply one hundred by six, subtract six.

21. 30

Two tickets cost fifteen pounds, then double.

22. 1650

2000 minus 350.

23. 60

Remove one quarter of eighty.

24. 34

Twice twelve plus twice five.
