

Year 4 Term 4 Test

Student Name: _____	Grade: _____
Date: _____	Score: _____

- Answer the questions in the spaces provided on the question sheets.
- If you run out of room for an answer, continue on the back of the page.
- This test has 31 questions, for a total of 100 marks.
- Do not use a calculator.
- Attempt all 31 questions.
- Time allowed: 60 minutes.

Page:	1	2	3	4	5	6	7	8	9	10	11	12	13	Total
Marks:	9	9	9	9	6	6	3	5	4	3	9	18	10	100
Score:														

This edition was printed on June 1, 2017 with **answers**.

Camera ready copy was prepared with the **L^AT_EX₂ ϵ** typesetting system.

Copyright © 2000 - 2017 Yimin Math Centre (www.yiminmathcentre.com)

10 Year 4 Term 4 Test

10.1 Whole Numbers

1. Write the following as ordinary numerals:

(a) $(7 \times 100) + (3 \times 10) + (3 \times 1)$ [1]

(a) _____

(b) $(3 \times 100) + (0 \times 10) + (5 \times 1)$ [1]

(b) _____

(c) $(2 \times 100) + (4 \times 10) + (0 \times 1)$ [1]

(c) _____

2. What is the place value of 7 in the following numbers:

(a) 72 [1]

(a) _____

(b) 547 [1]

(b) _____

(c) 705 [1]

(c) _____

3. Find:

(a) $793 - 147 =$ [1]

(a) _____

(b) $37 \times 26 =$ [1]

(b) _____

(c) $91 \div 7 =$ [1]

(c) _____

10.2 Fractions

4. Simplify the following fractions:

(a) $\frac{8}{10} =$ [1]

(a) _____

(b) $\frac{12}{18} =$ [1]

(b) _____

(c) $\frac{18}{24} =$ [1]

(c) _____

5. Change the following fractions to equivalent fractions:

(a) $\frac{2}{3} = \frac{\boxed{?}}{12}$ [1]

(a) _____

(b) $\frac{3}{4} = \frac{\boxed{?}}{16}$ [1]

(b) _____

(c) $\frac{3}{5} = \frac{\boxed{?}}{25}$ [1]

(c) _____

6. Find:

(a) $\frac{7}{12} - \frac{3}{12} =$ [1]

(a) _____

(b) $\frac{2}{12} + \frac{1}{6} =$ [1]

(b) _____

(c) $\frac{1}{5} \times \frac{2}{8} =$ [1]

(c) _____

10.3 Decimals

7. Change the following decimals to fractions:

(a) $0.4 =$ [1]

(a) _____

(b) $2.7 =$ [1]

(b) _____

(c) $0.53 =$ [1]

(c) _____

8. Change the following fractions to decimals:

(a) $\frac{27}{100}$ [1]

(a) _____

(b) $\frac{1}{4}$ [1]

(b) _____

(c) $\frac{3}{20}$ [1]

(c) _____

9. Find:

(a) $\$12.30 + \$7.20 + \$125.60 =$ [1]

(a) _____

(b) $13.6 \times 7 =$ [1]

(b) _____

(c) $23.72 - 15.8 =$ [1]

(c) _____

10.4 Percentages

10. Change the following fractions to percentages:

(a) $\frac{17}{100} =$ [1]

(a) _____

(b) $\frac{16}{50} =$ [1]

(b) _____

(c) $\frac{7}{20} =$ [1]

(c) _____

11. Change the following percentages to fractions and write the answer in the simplest form:

(a) 40% [1]

(a) _____

(b) 85% [1]

(b) _____

(c) 18% [1]

(c) _____

12. Find the percentages of the quantities shown below:

(a) 35% of \$100 = [1]

(a) _____

(b) 25% of \$80 = [1]

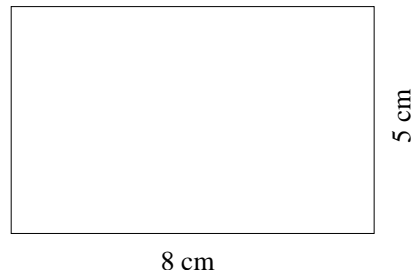
(b) _____

(c) 12% of 500 cars = [1]

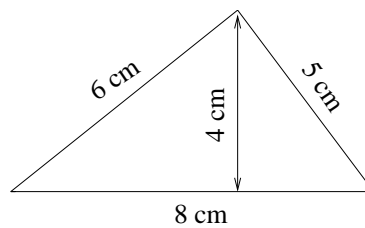
(c) _____

10.5 Measurement

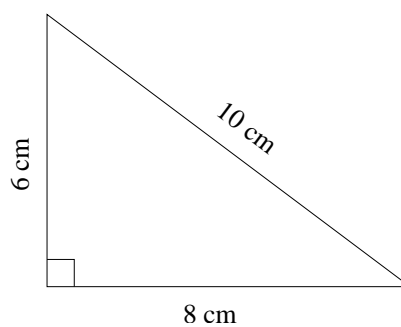
13. Find the perimeters and areas of the following figures:



(a) Perimeter = _____ , Area = _____ [2]



(b) Perimeter = _____ , Area = _____ [2]

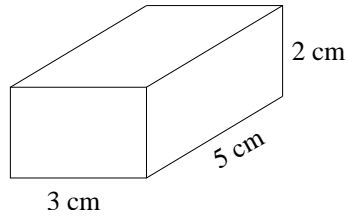


(c) Perimeter = _____ , Area = _____ [2]

14. Find the volumes of the rectangular prisms shown below:

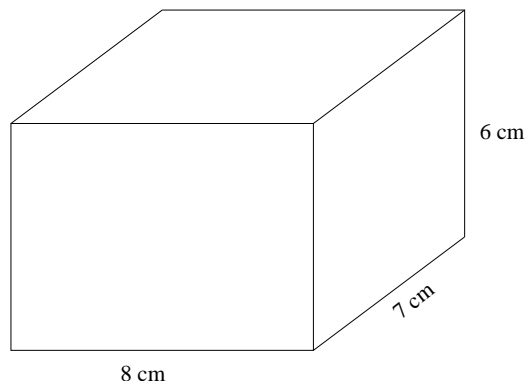
(a) Volume = _____

[1]



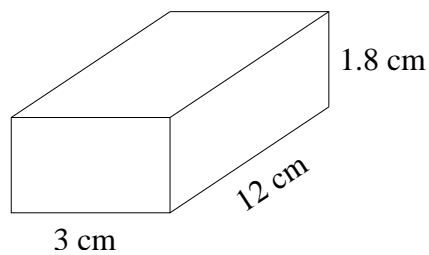
(b) Volume = _____

[1]



(c) Volume = _____

[1]



15. Change the following units:

(a) 6700 g = _____ kg

[1]

(b) 4.95 L = _____ ml

[1]

(c) 423 mm = _____ cm

[1]

10.6 Geometry

16. Name the type of angles below without using a protractor.



Figure 1: (A)

(a)

(a) _____ [1]

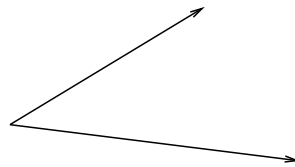


Figure 2: (B)

(b)

(b) _____ [1]

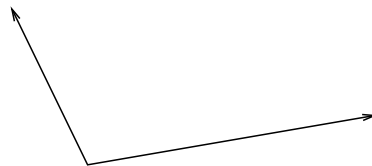


Figure 3: (C)

(c)

(c) _____ [1]

17. Calculate the size of the unknown angle in the triangles below:

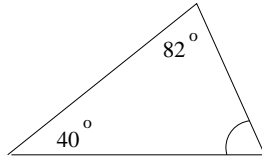


Figure 4: (A)

(a)

(a) _____ [1]

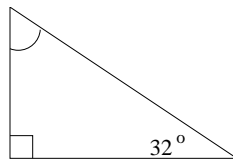


Figure 5: (B)

(b)

(b) _____ [1]

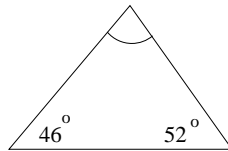
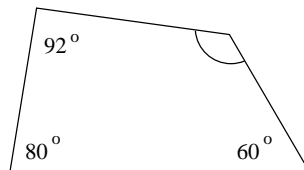


Figure 6: (C)

(c)

(c) _____ [1]

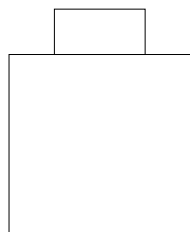
18. Without using a protractor calculate the size of the unknown angle marked in the quadrilateral [2]
below:



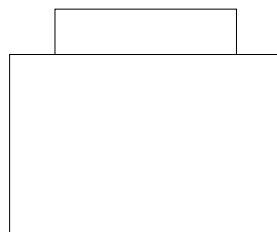
18. _____

10.7 Shares and Graphs

19. Rebecca put a small box on top of a large box. she drew picture of what she had made from the [2]
front, back and sides as shown below:

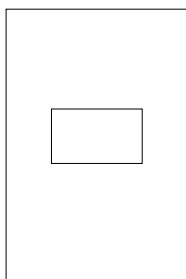


from front and back

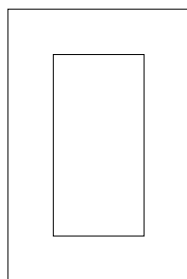


from sides

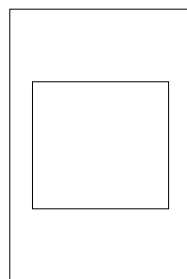
What would the two boxes look like from above?



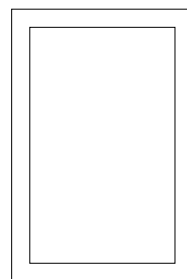
(A)



(B)

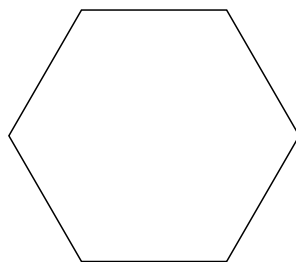


(C)

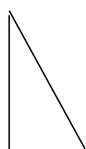


(D)

20. Ben has to completely cover this regular hexagon using only one kind of shape shown below. [2]



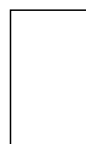
Which kind of shape would be the best one to use?



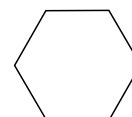
(A)



(B)

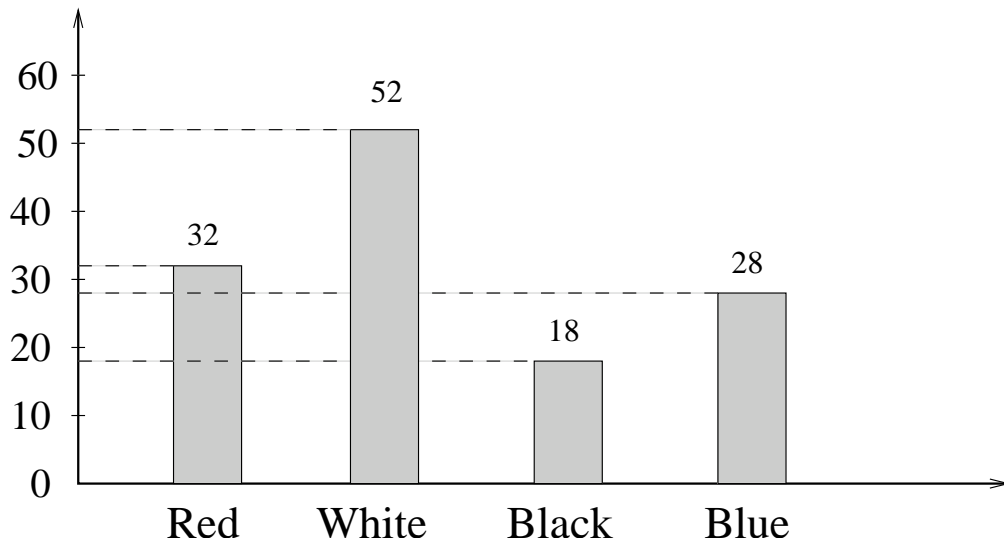


(C)



(D)

21. Woodland Road primary school students did a survey of the different colours of cars that passed close to their school. They recorded the information on the column graph below:



(a) How many cars were recorded in the survey? [1]

(a) _____

(b) What percentage were white? [1]

(b) _____

(c) What was the least popular colour? [1]

(c) _____

10.8 Number Theory

22. State whether the following numbers are prime or composite:

(a) 17 [1]

(a) _____

(b) 21 [1]

(b) _____

(c) 57 [1]

(c) _____

23. Which of the numbers has 7 as a factor?

(a) 21 [1]

(a) _____

(b) 34 [1]

(b) _____

(c) 56 [1]

(c) _____

24. Think about the rule, and then write the next two numbers in the pattern below:

(a) 42, 45, 46, 50, 51, 56, . . . [1]

(a) _____

(b) 76, 72, 69, 64, 61, 55, . . . [1]

(b) _____

(c) 1, 2, 5, 10, 13, 26, . . . [1]

(c) _____

10.9 Difficult Fractions

25. Find:

(a) $\frac{3}{5} + \frac{7}{10} =$ [2]

(a) _____

(b) $\frac{2}{3} - \frac{1}{9} =$ [2]

(b) _____

(c) $\frac{3}{4} \times \frac{1}{2} =$ [2]

(c) _____

26. Find:

(a) $1\frac{1}{4} + \frac{7}{12} =$ [2]

(a) _____

(b) $3\frac{1}{8} - 1\frac{1}{2} =$ [2]

(b) _____

(c) $2\frac{1}{2} \div \frac{1}{8} =$ [2]

(c) _____

27. Find:

(a) $1\frac{1}{4} + 2\frac{3}{5} =$ [2]

(a) _____

(b) $4\frac{1}{5} - 1\frac{3}{4} =$ [2]

(b) _____

(c) $2\frac{1}{4} \div \frac{7}{8} =$ [2]

(c) _____

10.10 Problem Solving

28. Mary went to the Sunday market and bought 3 coffee mugs at \$1.35 each, a T-shirt for \$9.75 and 5 [2]
second hand books at 35 cents each. How much change is left over from \$20.00?

28. _____

29. A group of students heights were: Jane 1.05 m, Joe 1.26m, Jenny 0.94m, and Gary 1.15m. What [2]
was their average height?

29. _____

30. Fourteen people attended a meeting. If each person shook hands with every other person, How [3]
many handshakes were there altogether?

30. _____

31. The Reds beat the Blues in a football game. The sum of their scores was 28. The difference of their [3]
score was 10. How many point did the Reds score?

31. _____