



KASLER

Kastelan & Samways Learning & Educational Resources

**PRACTICE
PAPER 3
SCHOOL
CERTIFICATE
TEST**

**MATHEMATICS
SECTION 1**

General Test Instructions

- Preparation time: 5 minutes
- Working time: 2 hours
- The supervisor will tell you when to begin the test
- This test has TWO sections
- Attempt ALL questions
- There will be a short break between Section 1 and Section 2
- Calculators may be used in Section 2 only
- The Sample Questions & Formulae Booklet may be used in both sections

Directions for Section 1

- 1 You have 30 minutes to answer Section 1
- 2 Section 1 Questions 1-25 (25 marks)
- 3 Calculators are NOT to be used in Section 1
- 4
 - Complete your answers to Questions 1–12 on
Section 1 – Answer Sheet 1
- 5
 - Complete your answers to Questions 13–25 on
Section 1 – Answer Sheet 1

Complete your answers to Questions 1-12 on Section 1 – Answer Sheet 1.

1 $4 + 6 \div 2 + 8 =$

- (A) 1 (B) 4·6 (C) 13 (D) 15

2 Round 3724.678 to the nearest one-hundredth.

- (A) 3724.68 (B) 3724.67 (C) 3700 (D) 4000

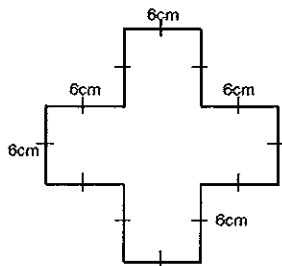
3 What is $4\frac{1}{4} + 3\frac{1}{3}$?

- (A) $7\frac{1}{7}$ (B) $7\frac{2}{7}$ (C) $7\frac{2}{12}$ (D) $7\frac{7}{12}$

4 The answer to $\sqrt{79}$ is approximately

- (A) 7 (B) 8 (C) 9 (D) 10

5 The correct calculation to find the perimeter of the shape below is:



- (A) 5×6^2
 (B) $6 + 6 + 6 + 6 + 6 + 6 + 6 + 6$
 (C) 12×6
 (D) $6 \times 6 + 6 \times 6 + 6 \times 6 + 6 \times 6 + 6 \times 6 + 6 \times 6$

6 Which of the following measurements will round to 9cm?

- (A) 87mm (B) 84.5mm (C) 95mm (D) 84.9mm

- 7 Tim collected 120 aluminium cans for recycling at the local soccer game. He found that $\frac{3}{5}$ of the cans were lemonade.

How many lemonade cans did he collect?

- (A) 24 (B) 45 (C) 72 (D) 75

- 8 Terry is cooking a roast dinner in the oven. He started at 6:42pm. When will it be ready if it takes 85 minutes to cook?

- (A) 8:07pm (B) 8:47pm (C) 9:47pm (D) 9:07pm

9 $\frac{1}{2} + \frac{1}{3} =$

- (A) $\frac{2}{5}$ (B) $\frac{5}{6}$ (C) $\frac{2}{6}$ (D) $\frac{2}{3}$

- 10 Jodi tiles her bathroom floor with tiles that cost \$23.95 per square metre. Her floor is $4\frac{3}{4}$ m², so she calculates 4.75×23.95 on her calculator and the display reads 113.7625. The cost to the nearest five cents is:

- (A) 113.75 cents (B) 11 380 cents (C) \$1.15 (D) \$113.75

- 11 If $x + 8 \leq 25$, then x can be

- (A) 17 (B) 30 (C) 32 (D) 40

- 12 The area of a triangle is 32cm². What is the height of the triangle if the base length is 0.5cm?

- (A) 8cm (B) 16cm (C) 64cm (D) 128cm

Complete your answers to Questions 13-25 on Section 1 – Answer Sheet 1.

13 Sonija normally leaves home at 8:15am and drives for 35 minutes to work.

On Monday she slept in and left 14 minutes late, and extra traffic added a further 8 minutes onto the journey.

What time did she arrive at work on Monday?

14 Find 45% of \$820.

15 Between which two whole numbers will the answer to $\sqrt{85}$ lie?

16 How many different 4 digit numbers can be formed with the digits 2, 3, 4 and 6 if each digit is only used once.

17 Maxcon Industries add a 12% profit margin onto their cost prices.

What will they sell a product for if it costs Maxcon \$120 to make?

18 The element Mercury boils at 357°C and will melt at -39°C.

What is the temperature difference between Mercury's boiling and melting points?

19 An adult's ticket to the football costs \$3.50 more than a child's. Last Saturday Terry bought 3 adult tickets and 1 child's ticket for \$36.50.

How much is a child's ticket?

20 Josh bought 3 burgers and two drinks for \$8.10 while Benjamin bought 4 burgers and 3 drinks for \$11.20.

What is the cost of one burger?

- 21** Kylie has a small outboard motor that uses a mix of unleaded petrol and 2-stroke oil as fuel. The correct mix is 50:1 (50mL petrol : 1mL 2-stroke oil).

How much oil should be added to a 4L can full of petrol?

- 22** Matthew built 10 towers out of blocks. The first was 2 blocks high. The second was 4 blocks, the third 6 blocks and so on.

How many blocks did he use altogether for the 10 towers?

- 25 Alison invites 5 other girls to a party. The average age of the 6 girls is 16. Four of the girls are aged 15, 16, 16 and 18.

Which of the following statements are true? (*All ages are whole numbers*)

- (A) The other girls could be 17 and 14.
- (B) The other girls could be 16 and 17.
- (C) The other girls could be of any age that adds to 31.
- (D) The other girls must have different ages.

End of questions in Section 1 that may require you to fill in more than one correct answer.

End of Section 1