Questions **1** to **10** carry 1 mark each. Questions **11** to **20** carry 2 marks each.
For each question, four options are given. One of them is the correct answer. Make
your choice and shade your answer (1, 2, 3 or 4) in the Optical Answer Sheet.

(30 marks)

1.   What is the value of the digit 2 in the number 567 234 ?

      (1)   20
      (2)   200
      (3)   200
      (4)   2000

2.   In 876.321, which digit is in the hundredth place?

      (1)   1
      (2)   2
      (3)   3
      (4)   6

3.   23 856 = 20 000 + 3 000 + $\boxed{?}$ + 50 + 6

      What is the missing number in the box?

      (1)   8
      (2)   80
      (3)   800
      (4)   8000

1

4. Which of the following fraction is the greatest?

(1) $\dfrac{3}{5}$

(2) $\dfrac{3}{7}$

(3) $\dfrac{3}{8}$

(4) $\dfrac{3}{10}$

5. The numbers shown below are part of a pattern.

20 , 135 , 250 , 365 , ? , 595

What is the missing number in the pattern?

(1) 115
(2) 385
(3) 435
(4) 480

6. Which one of the following numbers is the smallest?

(1) 4.179
(2) 4.719
(3) 5.023
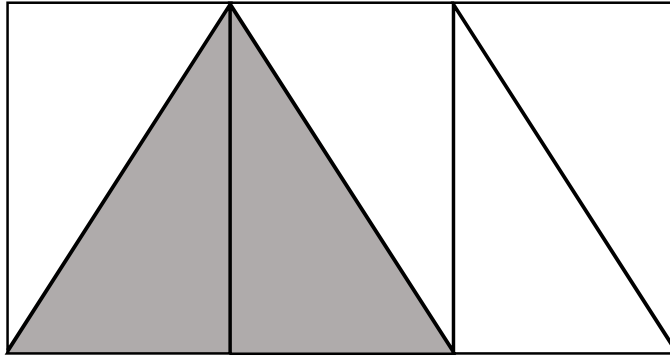(4) 5.203

7. Express 43.03 km in metres.

(1) 4 303 m
(2) 4 330 m
(3) 43 300 m
(4) 43 030 m

8.   The figure below is made up of 6 identical triangles.

What fraction of the figure is shaded?
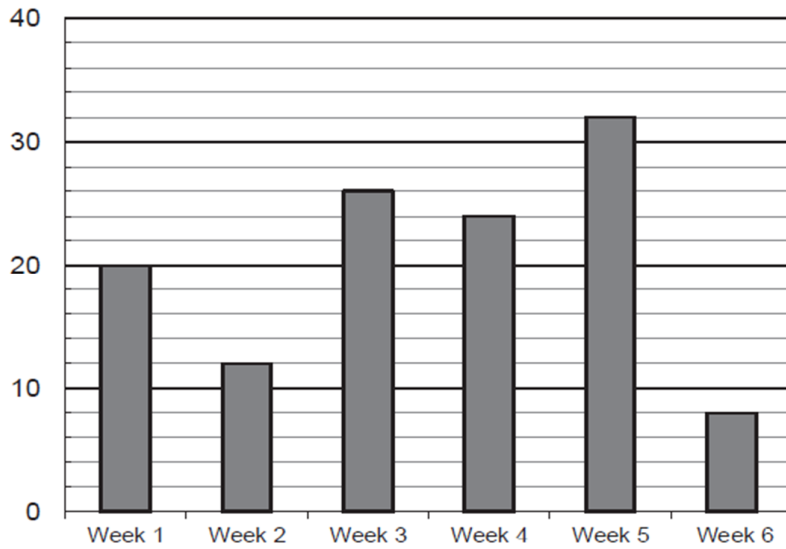
(1) $\dfrac{1}{2}$

(2) $\dfrac{1}{3}$

(3) $\dfrac{1}{4}$

(4) $\dfrac{2}{3}$

Study the bar graph and answer questions 9 and 10.
The bar graph shows the number of apples sold at a fruit stall over 6 weeks.

9.   How many apples were sold in Week 2?

       (1)   8
       (2)   12
       (3)   16
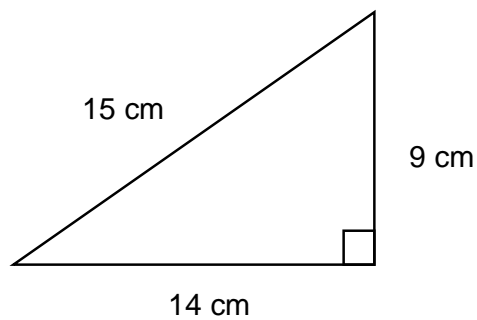   (4)   20

10.   In which week was the number of apples sold half the number sold in Week 4?

       (1)   Week 1
       (2)   Week 2
       (3)   Week 3
       (4)   Week 5

11. A movie show started at 15 25. It lasted 1 h 45 min.
    What time did the show end?

    (1)   14 20
    (2)   16 45
    (3)   16 50
    (4)   17 10

12. What is the area of the figure below?

    15 cm

    9 cm

    14 cm

    (1)   36 cm^2
    (2)   63 cm^2
    (3)   105 cm^2
    (4)   135 cm^2

13. There was a sale at a toy carnival. Peter had 50 toy cars. He sold $\frac{2}{5}$ of the toy
    cars. How many toy cars did he sell?

    (1)   48
    (2)   45
    (3)   30
    (4)   20

14. Express $3\dfrac{2}{3}$ as an improper fraction.

    (1) $\dfrac{8}{3}$

    (2) $\dfrac{9}{3}$

    (3) $\dfrac{11}{3}$

    (4) $\dfrac{18}{3}$

15. Alice has 30 stickers. Billy has 4 times as many stickers as Alice. Charles has 20 stamps more than Billy.
How many stamps does Alice and Charles have together?

    (1)   50
    (2)   120
    (3)   170
    (4)   260

16. There was a survey conducted to group of students. The results below show the most popular type of food among 240 students.

Type of Food	Fried Rice	Pasta	Sandwiches	Hamburgers
Number of Students	90	?	30	70

How many more students prefer fried rice than pasta?
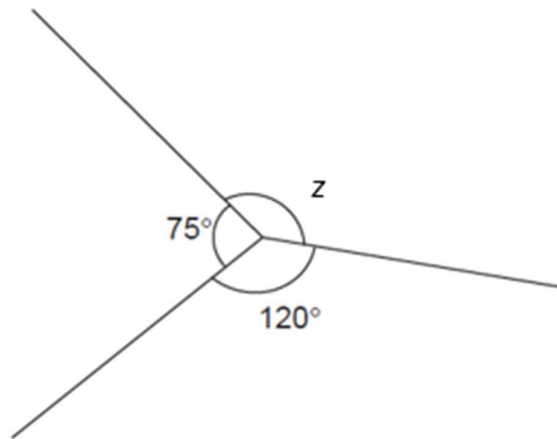
    (1)   40
    (2)   50
    (3)   90
    (4)   140

17. Patsy needs to pack 8 kg of rice into 200 bags. What is the weight of each bag of rice in kilograms?

(1) 0.04
(2) 0.4
(3) 40
(4) 4

18. In the figure below, find ∠ z
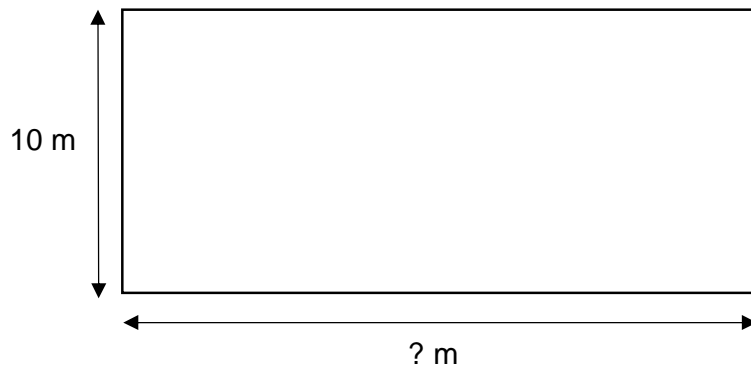

(1) 105°
(2) 135°
(3) 165°
(4) 195°

19. There are 20 marbles in a bowl. 5 of them are red and 3 of them are green. The rest of the marbles are purple. What percentage of the balls in the bowl are purple?

(1) 12%
(2) 20%
(3) 40%
(4) 60%

20. The perimeter of a playing field is 70 m. The breadth of the field is 10m.

10 m

? m

Find the length of the playing field.

(1) 7 m
(2) 25 m
(3) 30 m
(4) 50 m

Questions **21** to **30** carry 2 mark each. Show your working clearly and write your answers in the spaces provided. For questions that require units, give your answers in the units stated

(20 marks)
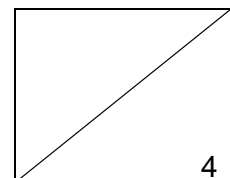
21. Find the value of

    (a) 139 – 47

    (b) 67 x 8

    Ans: (a) _____

    Ans: (b) _____

22. (a) Write twenty thousand and thirteen in numerals.
    (b) Find the value of 18 + (100 – 45) ÷ 5.

    Ans: (a) _____

    Ans: (b) _____

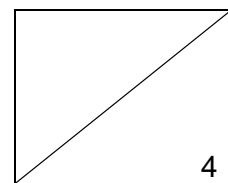4

23. Find the value of

(b)   6.28 + 1.5

(b)   8.4 ÷ 4

Ans: (a) _____

Ans: (b) _____

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24. $3300 \div 1000 = \boxed{} \times 0.033$

What is the missing number in the box?

Ans: _____

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25. The figure below shows some liquid in a container. Find out the amount of liquid
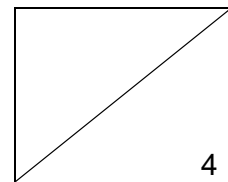
a) in litres
b) in millilitres

Ans: (a) _____ ℓ

Ans: (b) _____ mℓ

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26. A box contains 60 pieces of chocolate. 15% of them are dark chocolate. How many pieces are white chocolate?
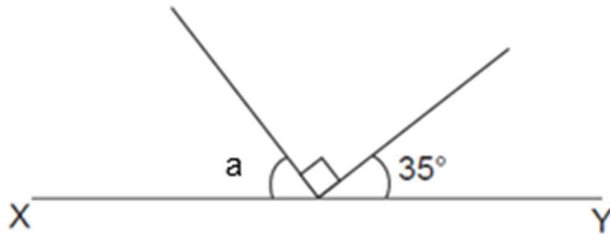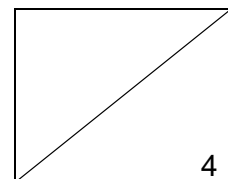
Ans: _____

4

27. A corridor outside of Mdm Tan's house is 20 m long. As it is nearing National Day, Singapore flags are placed at the 2 ends. They are 4 m apart. How many flags are there altogether?

Ans: _____

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28. In the figure, XY is a straight line. Find ∠ a.
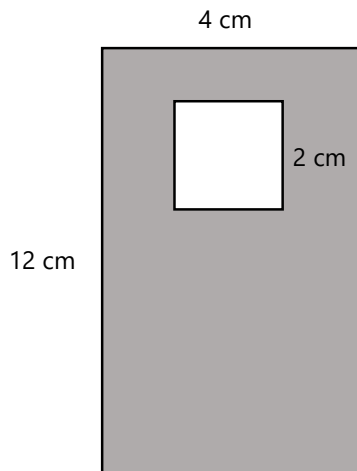

Ans: _____

29. Brian weighed 77.8 kg last year. His mass is 74.1 kg now. How much weight did he lose? Give your answer in grams.

Ans: _____ g

30. In the figure below, a square side of 2 cm has been cut from a rectangle. What is the area of the shaded portion of the rectangle?

4 cm

2 cm

12 cm

Ans: _____ cm^2

4