

Test II



Date: _____

Mark: _____ /31

Time limit: 30 minutes

Exercise 11 – 16

Strand	Assessment Focus	Question	Mark
Number	✦ Multiplication of fractions	1 – 9	/13
Algebra	✦ Algebraic expressions ✦ Simple equations	10 – 14	/9
Data Handling	✦ Compound bar charts	15 – 16	/9



Self-grading

24 – 31 marks

16 – 23 marks

0 – 15 marks

Marking record



1 Mark



1 Mark



1 Mark



1 Mark



1 Mark



1 Mark

1. $2\frac{7}{9} \times 6 =$

2. $3\frac{5}{7} \times 1\frac{1}{2} =$

3. $\frac{3}{4} \times 7 \times 2\frac{3}{7} =$

4. A bag of nuts weighs $1\frac{1}{5}$ kg. Emily used $2\frac{2}{3}$ bags of nuts to make biscuits. Which of the following expressions is the most suitable to estimate the weight of nuts Emily used?

A. 1×2

B. 2×2

C. 1×3

D. 2×3

5. There are 48 pieces of chocolate in a box. After Mandy took away 12 pieces of them, Fanny took $\frac{2}{9}$ of the remaining away. Fanny took _____ piece(s) of chocolate.

6. Each bottle of juice contains $1\frac{4}{5}$ L of juice. How much juice is there in half bottle of juice?

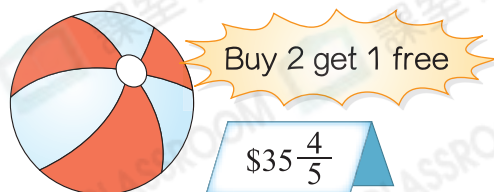
A. $3\frac{3}{5}$ L

B. $1\frac{2}{5}$ L

C. $\frac{9}{10}$ L

D. $\frac{4}{5}$ L

7.



John buys three balls. How much does he need to pay? (Show your working)



1 Mark



1 Mark



1 Mark



1 Mark

8. Alice has 56 coins. $\frac{3}{7}$ of her coins are 10-dollar coins and $\frac{1}{4}$ of her coins are 5-dollar coins. The remaining coins are 2-dollar coins. The total value of 10-dollar coins she has is \$_____.

9. Cherry costs \$108 per kilogram. The price of durian per kilogram is $\frac{3}{4}$ times of that of cherry. Emma bought a $2\frac{1}{2}$ -kg durian. How much did she need to pay? (Show your working)



1 Mark



1 Mark



1 Mark

10. Ken has 35 marbles. Gary has y ($y > 35$) marbles.

(a) They have _____ marbles altogether.

(b) The difference between the numbers of marbles they have is _____.



1 Mark



1 Mark

11. The capacity of a kettle is h L, which is 5 times of that of a cup. The capacity of a cup is _____ L.



1 Mark

12. Carrie worked part-time in a fast food shop in June. She worked t hours a day. She worked _____ hours in fast food shop in June altogether.



1 Mark

13. (a) $74 + r = 205$

$r =$

(b) $19a = 114$

$a =$

1 Mark

1 Mark

14. Leo had \$ h of pocket money originally. He spent a quarter of his pocket money to buy a dictionary. The selling price of dictionary is \$108. How much did Leo have originally? (Use an equation to solve the problem)

1 Mark

1 Mark

1 Mark

15. The table below shows the number of visitors of Happy Farm in 4 months.

Month	March	April	May	June
Adult	37966	60549	70831	89783
Rounded to the nearest ten thousand				
Children	48025	40896	69258	91674
Rounded to the nearest ten thousand				

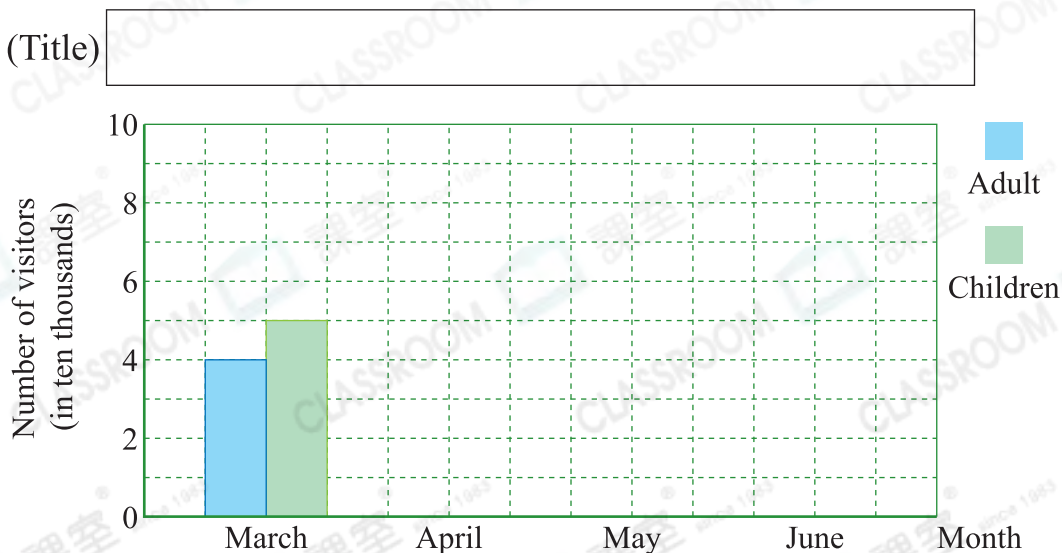
(a) Round the numbers of adult and children visitors to the nearest ten thousand and fill in the table above.

1 Mark

(b) According to the rounded data, complete the bar chart below.

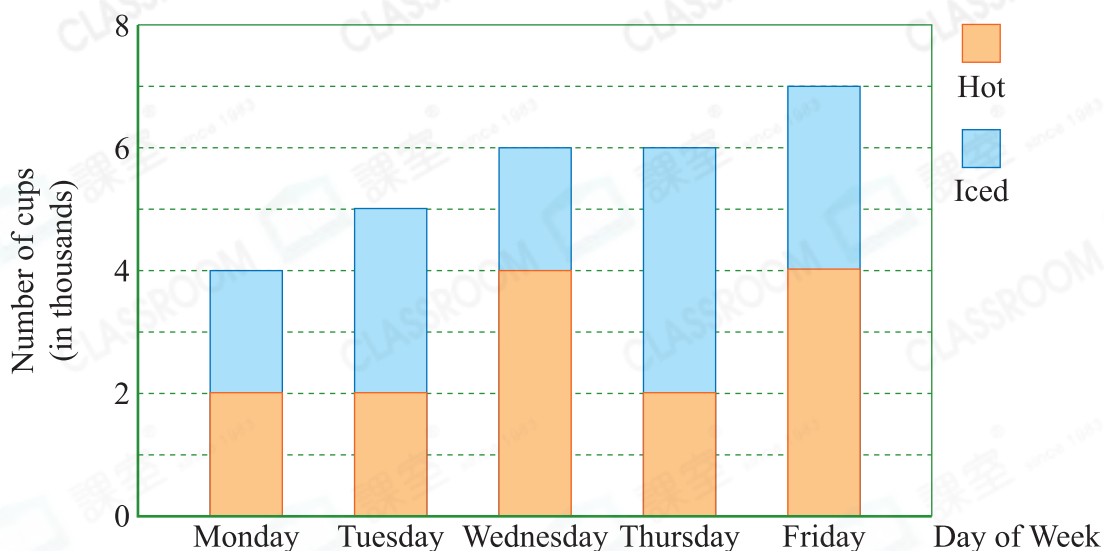
1 Mark

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16. The chart below shows the number of cups of coffee sold in a restaurant from Monday to Friday.

Number of cups of coffee sold in a restaurant from Monday to Friday



- (a) The number of cups of coffee sold on _____ was the greatest. _____ cups were sold on the day.
- (b) Hot coffee sold on Wednesday is _____ cups more / less (circle the answer) than that on Thursday.
- (c) A total of _____ thousand cups of coffee were sold from Monday to Friday.
- (d) What fraction of number of cups of iced coffee sold is that of hot coffee on Thursday? (Reduce the answer to the lowest term)

Answer:

- (e) Each cup of hot coffee and iced coffee cost \$20 and \$22 respectively. Is the amount the restaurant received from selling coffee on Tuesday greater than \$100 000? Why?

Answer: Because _____

the amount the restaurant received from selling coffee on Tuesday is / is not (circle the answer) greater than \$100 000.



Check your work

- All questions finished
- Answers checked



1 Mark



1 Mark



1 Mark



1 Mark



1 Mark



1 Mark