

RED SWASTIKA SCHOOL
2018 CLASS TEST 3
MATHEMATICS

Name : _____ () Marks : _____ / 30

Class : Pr 4 _____

Date : 3rd August 2018

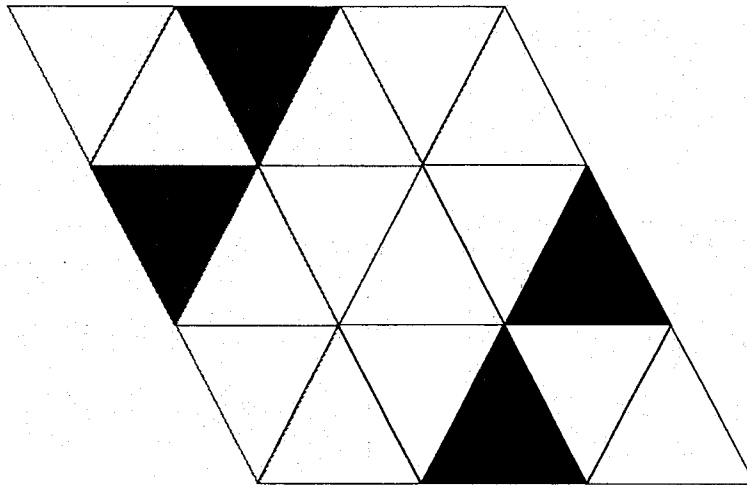
Duration : 50 min

Parent's Signature : _____

Section A : Multiple-Choice Questions

Questions 1 to 4 carry 1 mark each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Write your answer (1, 2, 3 or 4) in the brackets provided. (4 marks)

1. The figure is made up of identical triangles. What fraction of the figure is shaded?



- (1) $\frac{2}{7}$
(2) $\frac{2}{9}$
(3) $\frac{7}{2}$
(4) $\frac{7}{9}$

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2 Express $3\frac{3}{5}$ as an improper fraction.

(1) $\frac{9}{5}$

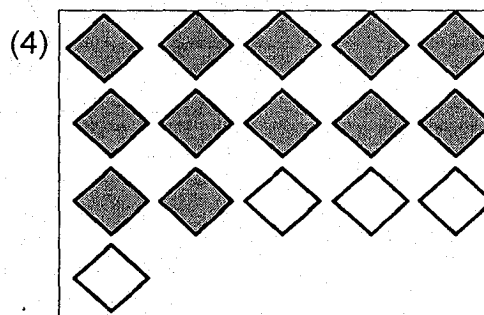
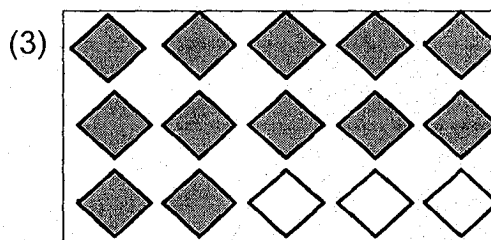
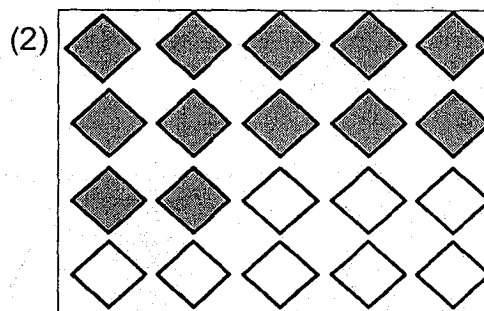
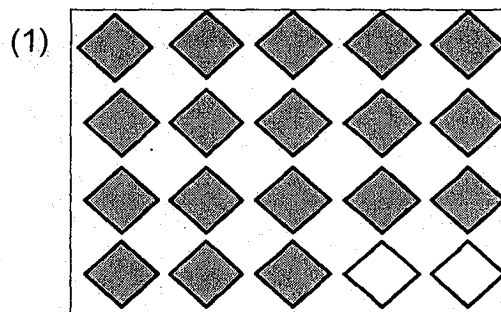
(2) $\frac{15}{5}$

(3) $\frac{18}{5}$

(4) $\frac{33}{5}$

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3 Which of the following shows $\frac{3}{4}$ of a set shaded?



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- 4 Mrs Tan used 3 kg of sugar to bake some cookies. She used $\frac{2}{5}$ kg of sugar to make some cupcakes and $\frac{7}{10}$ kg of sugar to bake some muffins. How much sugar did she use altogether?

(1) $1\frac{1}{10}$ kg

(2) $1\frac{9}{10}$ kg

(3) $4\frac{1}{10}$ kg

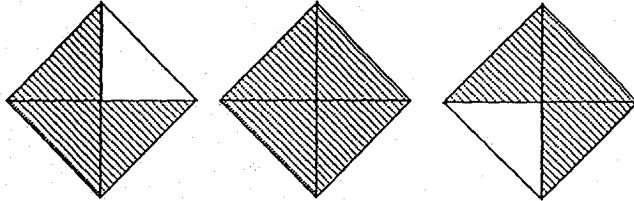
(4) $4\frac{9}{15}$ kg

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Section B : Short-Answer Questions

Questions 5 to 13 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (18 marks)

5



Write a mixed number in its simplest form to represent the shaded parts.

Ans: _____

6 Arrange the following from the biggest to the smallest.

$$2\frac{3}{4}, \quad \frac{12}{8}, \quad \frac{8}{5}, \quad 4$$

Ans: _____, _____, _____, _____
(biggest) (smallest)

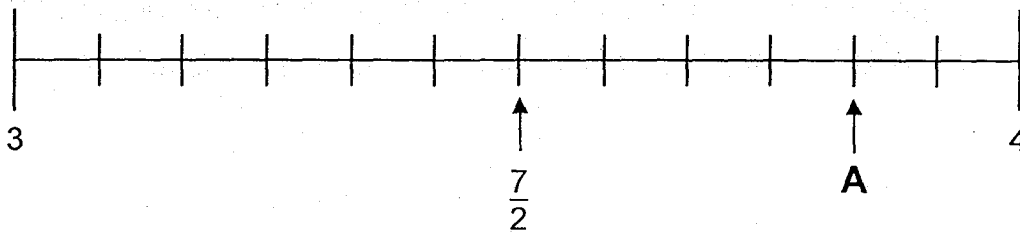
7 How many sevenths are there in $3\frac{4}{7}$?

Ans: _____

8 $3\frac{5}{8} = 1 + \frac{\square}{8}$

Ans: _____

- 9 What is the improper fraction represented by the letter **A** on the number line? Express your answer in its simplest form.



Ans: _____

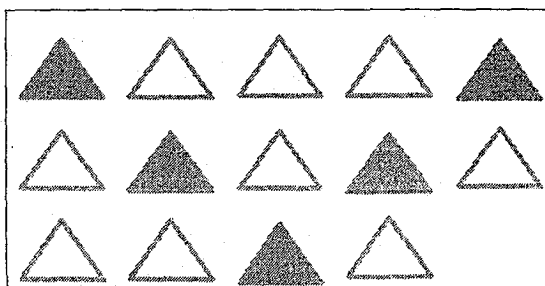
- 10 Find the sum of $\frac{5}{12}$, $\frac{1}{3}$ and $\frac{7}{12}$. Express your answer as a mixed number in its simplest form.

Ans: _____

- 11 Find the value of $2 - \frac{1}{4} - \frac{3}{8}$.

Ans: _____

- 12 How many more triangles must be shaded to show $\frac{6}{7}$ of the set?



Ans: _____

- 13 Mother bought a few similar pizzas. Brenda ate $\frac{2}{3}$ of a pizza. Her brother ate $\frac{7}{9}$ of a pizza more than her. How many pizzas did her brother eat? Express your answer as a mixed number in its simplest form.

Ans: _____

Section C : Long-Answer / Structured Questions

Questions 14 and 15 carry 4 marks each, show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (8 marks)

- 14 James had some Pokemon cards. He lost $\frac{3}{7}$ of them in school. If he had 84 cards at first, how many cards had he left?

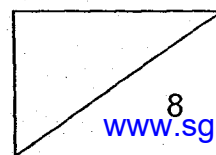
Ans: _____

- 15 Charmaine made some puffs. She gave 7 puffs to her best friend and $\frac{4}{9}$ of them to her teachers. She then had 8 puffs left. How many puffs did Charmaine make?

Ans: _____

END OF PAPER

Did you check your paper? ☺



1. The following are the main components of the
2. The following are the main components of the
3. The following are the main components of the
4. The following are the main components of the

5. The following are the main components of the
6. The following are the main components of the

7. The following are the main components of the
8. The following are the main components of the
9. The following are the main components of the
10. The following are the main components of the

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Section A : Multiple-Choice Questions

1. (2)	2. (3)	3. (4)	4. (3)
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Section B : Short-Answer Questions

5	$2\frac{2}{4}$ (M1) or equivalent $2\frac{1}{2}$ (A1)	10	$\frac{5}{12} + \frac{1}{3} + \frac{7}{12}$ (M1) = $1\frac{1}{3}$ (A1)
6	$4, 2\frac{3}{4}, \frac{8}{5}, \frac{12}{8}$ (A2) Perfect answer	11	$\frac{11}{8}$ (M1) = $1\frac{3}{8}$ (A1)
7	25 (A2)	12	$12 - 5$ (M1) = 7 (A1)
8	21 (A2)	13	$\frac{2}{3} + \frac{7}{9}$ (M1) = $1\frac{4}{9}$ (A1)
9	$3\frac{10}{12}$ (M1) or $3\frac{5}{6}$ (M1) $\frac{46}{12}$ (M1) = $\frac{23}{6}$ (A1)		

Section C : Long-Answer / Structured Questions

14. 7 units $\rightarrow$ 84 (M1)
 1 unit $\rightarrow$ $84 \div 7$ (M1)
 = 12
 4 units $\rightarrow$ 12×4 (M1)
 = **48** (A1)

He had **48** cards left.

15. 5 units $\rightarrow$ $7 + 8$ (M1)
 = 15
 1 unit $\rightarrow$ $15 \div 5$ (M1)
 = 3
 9 units $\rightarrow$ 3×9 (M1)
 = **27** (A1)

She had **27** puffs at first.
