



Anglo-Chinese School (Primary)

END-OF-YEAR EXAMINATION 2016
MATHEMATICS
BOOKLET A
PRIMARY THREE

Name: _____ () Class: Primary 3 ____

Date: 27 October 2016

Duration of Booklets A & B: 1 hour 45 minutes

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of 5 printed pages, including the cover page.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Shade your answers on the Optical Answer Sheet (OAS) provided.

Section A (10 x 2 marks each)

For each of the following questions, four options are given. Choose the correct option and shade its oval (1, 2, 3 or 4) in the Optical Answer Sheet provided.

1. 7 480 m = ____ km ____ m.

- (1) 7 km 48 m
- (2) 7 km 480 m
- (3) 70 km 48 m
- (4) 70 km 480 m

2. 3 080 is 100 more than _____.

- (1) 2 080
- (2) 2 980
- (3) 3 090
- (4) 3 180

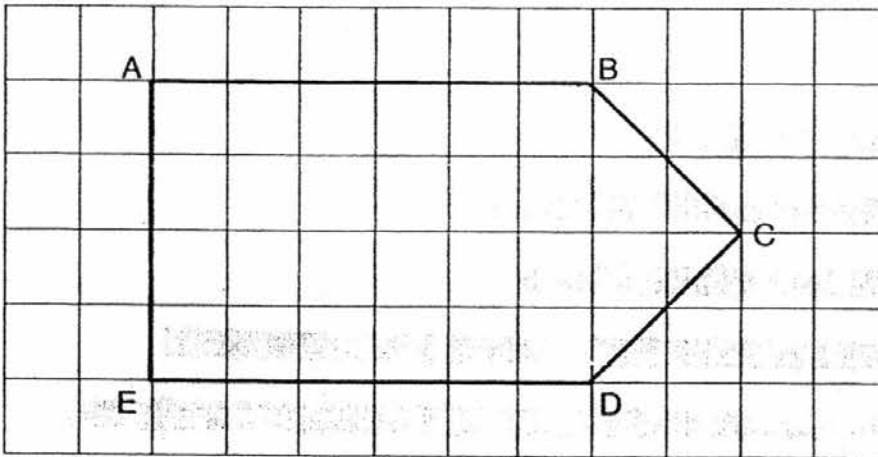
3. Which fraction is equivalent to $\frac{8}{12}$?

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

4. Aaron finished watching a concert at 2.45 p.m. The concert lasted 1 h 20 min. What time did the concert start?

- (1) 1.25 p.m.
- (2) 1.45 p.m.
- (3) 3.05 p.m.
- (4) 3.35 p.m.

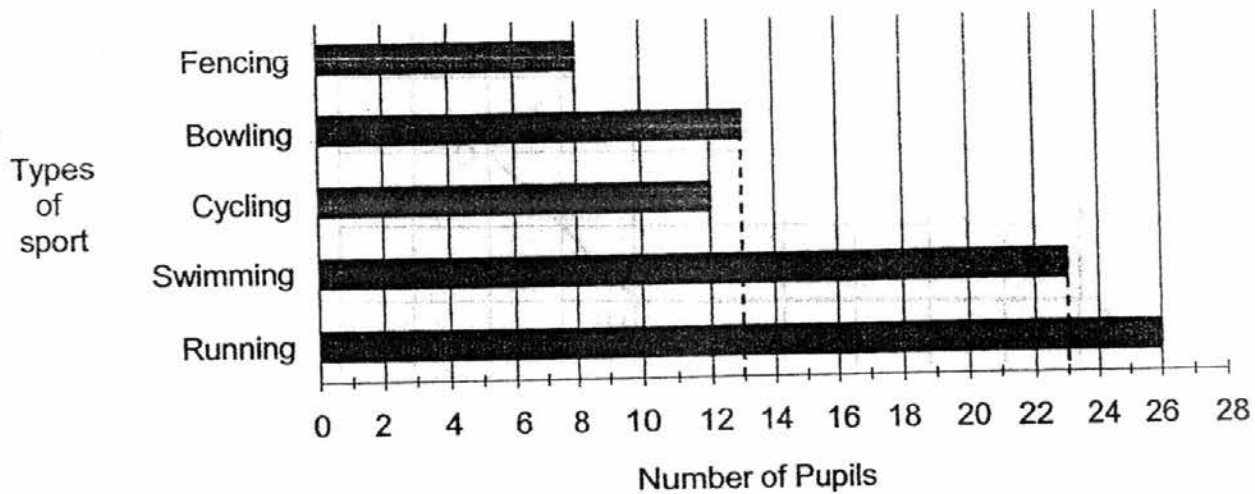
5. The figure below is not drawn to scale. How many angles in the figure ABCDE are greater than right angles?



- (1) 0
(2) 2
(3) 3
(4) 5
6. Which of the following adds up to the greatest odd number?
- (1) $900 + 80 + 4$
(2) $800 + 90 + 4$
(3) $800 + 40 + 9$
(4) $400 + 80 + 9$
7. Which letter below does not have perpendicular lines?
- (1) A
(2) E
(3) F
(4) H

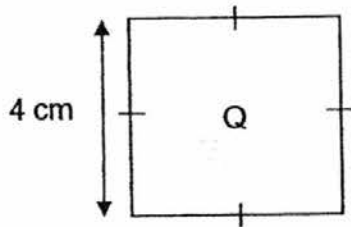
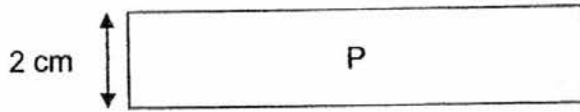
The bar graph below shows the types of sport that a group of pupils like. Study the graph carefully and answer question 8.

Pupils' Favourite Sport



8. Which sport has twice as many pupils as Bowling?
- (1) Cycling
 - (2) Fencing
 - (3) Running
 - (4) Swimming
9. Alex wants to buy a toy car and a scooter bike. The toy car costs \$39.45 and the scooter bike costs \$99.90. How much more does Alex need if he has only \$100?
- (1) \$239.35
 - (2) \$139.35
 - (3) \$60.55
 - (4) \$39.35

10. The shapes below are not drawn to scale.
P is a rectangle and Q is a square. The 2 shapes have the same area.
What is the length of rectangle P?



- (1) 16 cm
- (2) 8 cm
- (3) 6 cm
- (4) 4 cm



Anglo-Chinese School (Primary)

END-OF-YEAR EXAMINATION 2016
MATHEMATICS
BOOKLET B
PRIMARY THREE

Name: _____ () Class: Primary 3 ___

Date: 27 October 2016

Duration of Booklets A & B: 1 hour 45 minutes

Parent's/Guardian's signature

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of **16** printed pages, including the cover page.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.

Section	Maximum Marks	Marks Obtained
A. Multiple-Choice Questions	20	
B. Short Answers	38	
C. Problem Sums	22	
Total Marks	80	

SECTION B - Short Answers (38 Marks)

Questions 11 to 20 carry 1 mark each. Questions 21 to 34 carry 2 marks each. Show all workings and mathematical statements clearly in the space below each question. Write your answer in the space provided. Express your answers in the units stated and in its simplest form whenever possible.

11. $\frac{4}{7} + \frac{2}{7} = \boxed{?}$

Answer : _____

12. Express 2 h 50 min in minutes.

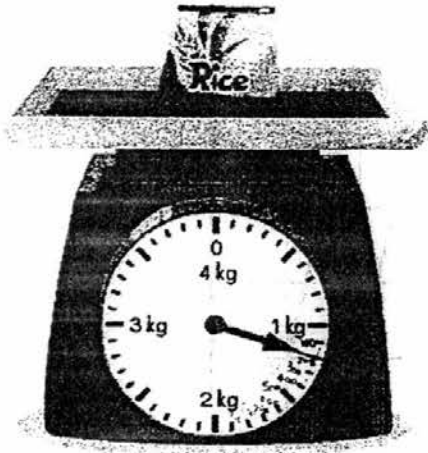
Answer : _____ min

13. Arrange the following fractions in descending order.

$$\frac{3}{7}, \frac{3}{5}, \frac{3}{11}$$

Answer : _____ , _____ , _____
greatest

14. What is the mass of the bag of rice?

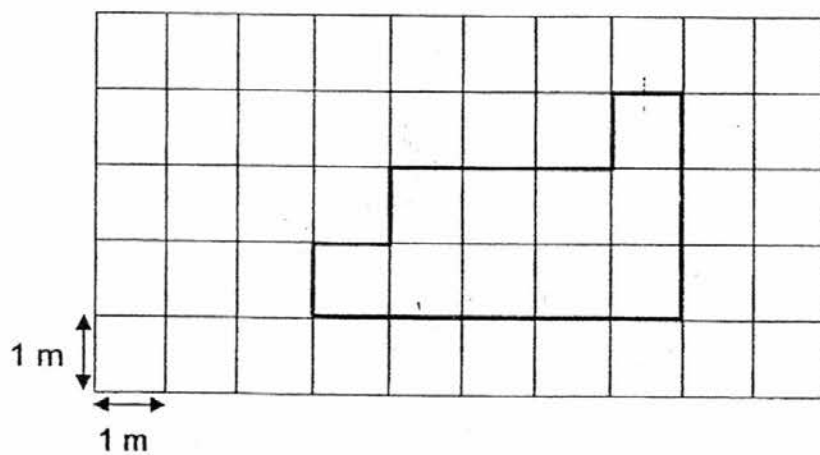


Answer : _____ kg _____ g

15. $\frac{5}{8} - \frac{1}{4} =$

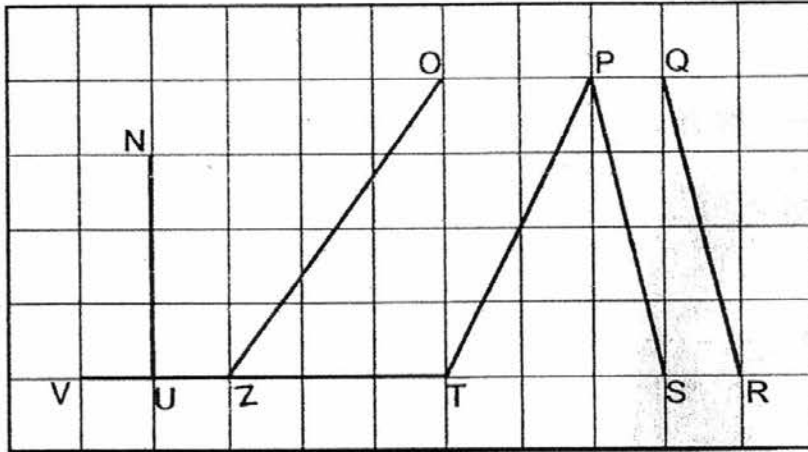
Answer : _____

16. The figure below, not drawn to scale, is made up of 1-m squares. Find its perimeter.



Answer : _____ m

Study the diagram below carefully and answer questions 17 and 18.



17. Name a vertical line.

Answer : _____

18. Name a pair of parallel lines.

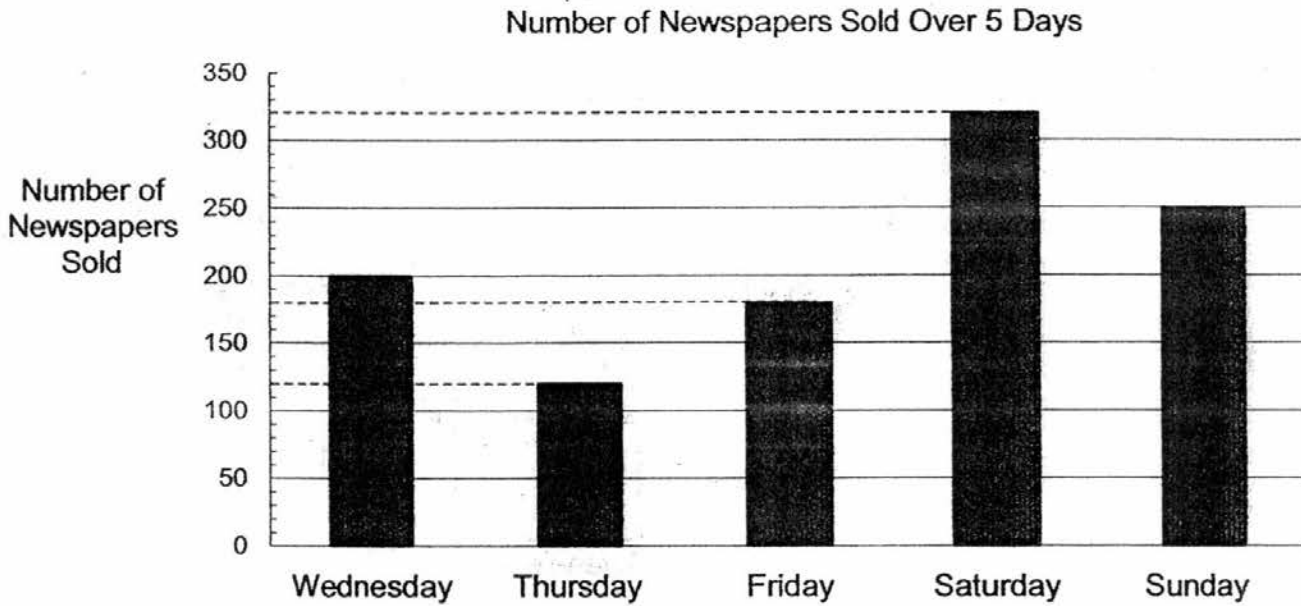
Answer : _____ // _____

19. How many minutes are there from 11.41 p.m. to 12.18 a.m.?



Answer : _____ min

The bar graph below shows the number of newspapers sold over a period of 5 days. Study the graph carefully and answer questions 20 and 21.



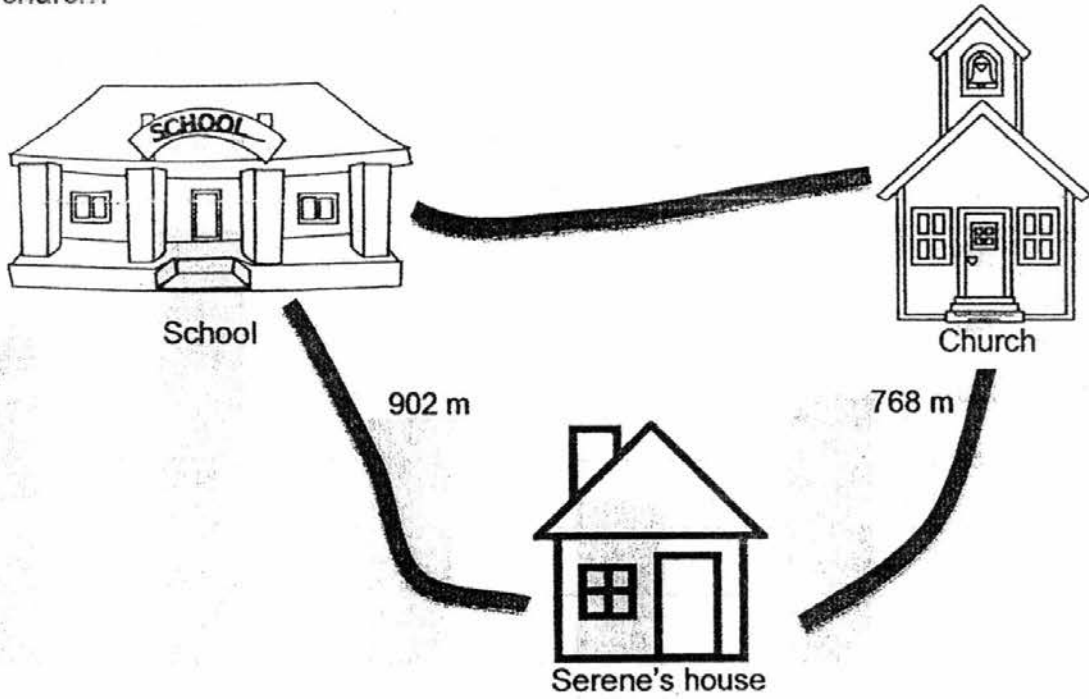
20. On which day was the least number of newspapers sold?

Answer : _____

21. How many more newspapers were sold on Sunday than on Friday?

Answer : _____

22. Look at the picture below. How much further is Serene's house to school than to church?



Answer : _____ m

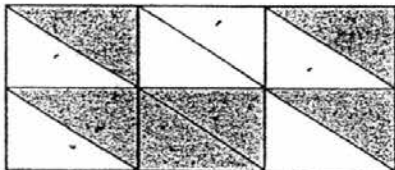
23. There are 42 pupils in Primary 3G. During assembly, all the pupils sit equally in 6 rows. How many pupils are there in each row?

Answer : _____

24. Kylie had 4 ten-dollar notes and 3 two-dollar notes. After she bought a doll for \$23.65, how much money had she left?

Answer : \$ _____

25. What fraction of the figure below is **shaded**? Express your answer in the simplest form.



Answer : _____

26. What is the missing number in the box?

$$\frac{2}{6} = \frac{\boxed{?}}{9}$$

Answer : _____

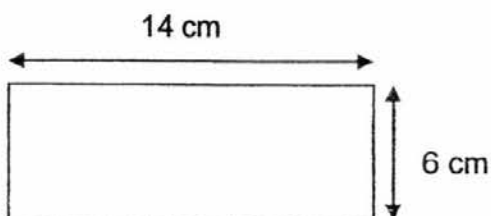
27. Carol bought a carton of milk and a lollipop. The carton of milk costs \$2.90. She paid the cashier \$5 and received a change of \$1.10. How much did the lollipop cost?

Answer : \$ _____

28. The difference between two numbers is 185. The smaller number is 776. What is the bigger number?

Answer : _____

29. The breadth of a rectangular piece of paper is 6 cm. The length of the paper is 14 cm. What is the perimeter of the piece of paper?



Answer : _____ cm

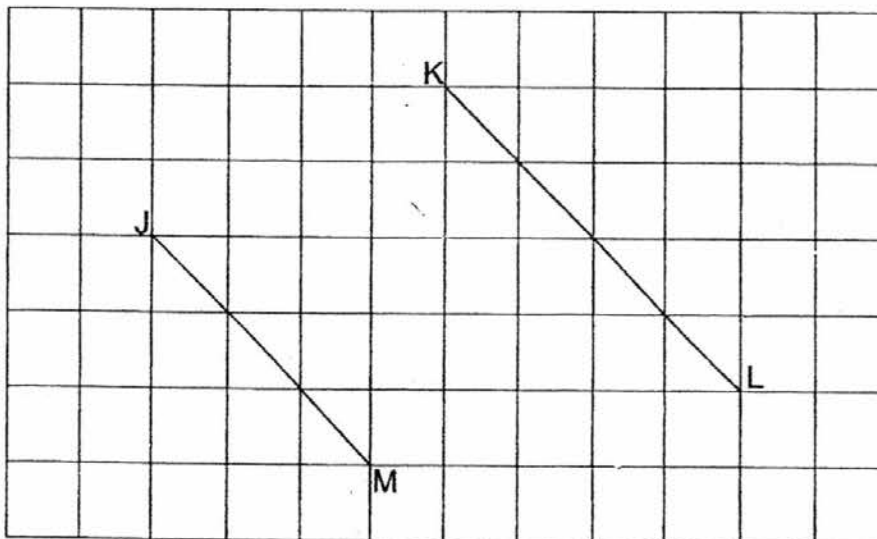
30. A tailor sews 7 buttons on each blouse. How many buttons does the tailor have if he has 2 buttons left after sewing 84 blouses?

Answer : _____

31. 378 rubber bands were shared equally among some children. If there were 9 children, how many rubber bands did each child receive?

Answer : _____

32. The figure below shows 2 straight lines JM and KL. Use a set-square to draw a line parallel to the 2 given lines.



33. 500 g of flour is packed into 2 bags. One bag has 100 g more flour than the other bag. What is the mass of the lighter bag?

Answer : _____ g

34. Ian has 3 different shirts and 3 different pairs of shorts. In how many ways can he wear his shirts and shorts?

Answer : _____

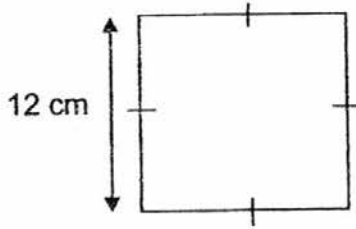
SECTION C - Problem Sums (22 Marks)

Questions 35 to 36 carry 3 marks each. Questions 37 to 40 carry 4 marks each. Show your working and mathematical statements clearly in the space below each question. All figures are not drawn to scale. Write your answer in the answer space provided. Express your answers in the units stated and in its simplest form whenever possible.

35. Peter and Mark picked up a total of 150 cans. For every 3 cans that Peter picked up, Mark picked up 2 cans. How many did Peter pick up?

Answer: _____ [3]

36. A piece of rope is 100 cm long. It is cut into 2 pieces.
One piece is used to form a square. Each side of the square is 12 cm.
What is the length of the other piece?



Answer: _____ [3]

37. Ryan started working at 8.30 a.m. in the morning. He worked for 4 h 15 min before he went for his lunch.

(a) What time did he go for his lunch?

(b) He worked 1 h 55 min more after his lunch. How long did he work in total?

Answer: (a) _____ [2]

(b) _____ [2]

38. A farmer plucked 1 734 apples from his orchard. He packed 1 056 of the apples into boxes and gave the rest to his friends.

(a) How many apples did the farmer give to his friends?

(b) The farmer then packed 8 apples in a box. How many boxes of apples did he pack?

Answer: (a) _____ [2]

(b) _____ [2]

39. Brandon drinks 225 ml of milk in a day.
His baby brother drinks 8 times as much milk as him.
His sister drinks 75 ml less milk than Brandon.
- (a) How much milk does Brandon's baby brother drink daily?
- (b) How much milk does Brandon's sister drink daily?

Answer: (a) _____ [2]

(b) _____ [2]

YEAR : 2016
LEVEL : PRIMARY 3
SCHOOL : ANGLO-CHINESE
SUBJECT : MATHEMATICS
TERM : SA2

Booklet A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	2	3	1	2	3	1	3	4	2

Booklet B

Q11 $\frac{6}{7}$

Q12 170 min

Q13 $\frac{3}{5}, \frac{3}{7}, \frac{3}{11}$

Q14 1 kg 200 g

Q15 $\frac{3}{8}$

Q16 16 m

Q17 QR

Q18 PS // QR

Q19 37 min

Q20 Thursday

Q21 $250 - 180 \Rightarrow$ 70 more newspapers

Q22 $902 - 768 \Rightarrow$ 134 m

Q23 $42 \div 6 \Rightarrow$ 7 pupils

Q24 $\$46.00 - \$23.65 \Rightarrow \underline{\$22.35}$

Q25 $\frac{1}{2}$

Q26 3

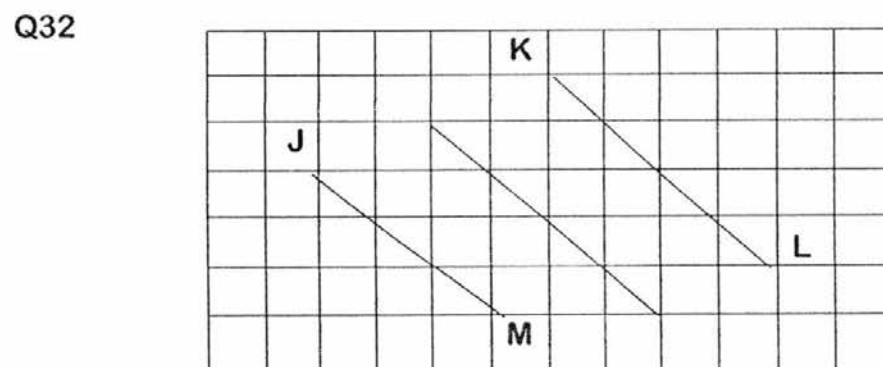
Q27 $\$2.90 + \$1.10 \rightarrow \$4.00$
 $\$5.00 - \$4.00 \Rightarrow \underline{\$1 \text{ each lollipop}}$

Q28 $776 + 185 \Rightarrow \underline{961}$

Q29 $14 \times 2 = 28$
 $6 \times 2 = 12$
 $28 + 12 \Rightarrow \underline{40 \text{ cm}}$

Q30 $84 \times 7 \rightarrow 588$
 $588 \div 2 \Rightarrow \underline{590 \text{ buttons}}$

Q31 $378 \div 9 \Rightarrow \underline{42 \text{ rubber bands}}$



Q33 $500 - 100 \rightarrow 400$
 $400 \div 2 \Rightarrow \underline{200 \text{ g}}$

Q34 9 ways

Q35

Peter	Mark	Total
30	20	50
60	40	100
90	60	150

Answer \Rightarrow Peter picked up 90 cans.

Q36 $12 \times 4 \rightarrow 48$
 $100 - 48 \Rightarrow \underline{52 \text{ cm}}$

Q37 (a) $\overbrace{8:30am \mid 8:45am}^{15 \text{ min}} \mid \overbrace{}^{4 \text{ hour}} \mid 12:45pm$

Answer \Rightarrow 12:45 pm

(b) $4 \text{ h } 15 \text{ min} + 1 \text{ h } 55 \text{ min} \Rightarrow$ 6 h 10 min

Q38 (a) $1734 - 1056 \Rightarrow$ 678 apples

(b) $1056 \div 8 \Rightarrow$ 132 boxes

Q39 (a) $225 \times 8 \Rightarrow$ 1800 ml

(b) $225 - 75 \Rightarrow$ 150 ml

Q40 (a) Answer \Rightarrow Week 6

Week	Total Amount of \$ Saved
1	\$5
2	\$10
3	\$15
4	\$20
5	\$25
6	\$30
7	\$35
8	\$40
9	\$45
10	\$50
11	\$55
12	\$60

(b) Answer \Rightarrow \$40

End