Anglo-Chinese School (Primary)

END-OF-YEAR EXAMINATION 2014
MATHEMATICS
BOOKLET A
PRIMARY THREE

Name: _____ ( ) Class: Primary 3 ___

Date: 29 October 2014 Duration of Booklets A & B: 1h 45min

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. In the number 3 295, the value of the digit 2 is _____.

   (1) 2 ones

   (2) 2 tens

   (3) 2 hundreds

   (4) 2 thousands

2. Divide 455 by 7.

   (1) 55

   (2) 65

   (3) 3 155

   (4) 3 185

3. Mother bought a watermelon and a honeydew. The watermelon costs $7.50. The honeydew costs $2 less than the watermelon. How much did Mother pay in all?

   (1) $5.50

   (2) $9.50

   (3) $12.00

   (4) $13.00

4. A movie ended at 3.35 p.m. It lasted 1 h 50 min. What time did the movie start?

   (1) 1.45 p.m.

   (2) 2.15 p.m.

   (3) 2.45 p.m.

   (4) 5.25 p.m.

5. 20 m 5 cm = _____ cm.

(1) 205

(2) 250

(3) 2 005

(4) 2 050

6. Arrange the following fractions from the smallest to the largest.

$$\frac{1}{4}, \frac{5}{6}, \frac{1}{2}$$

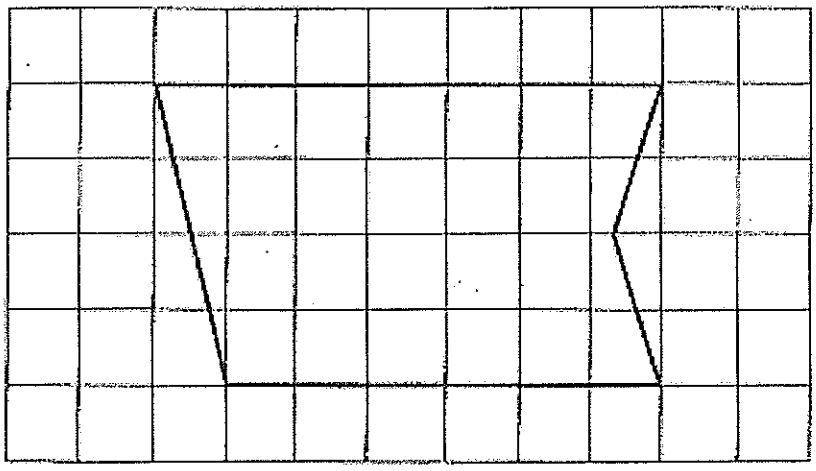
(1) $\frac{1}{2}, \frac{1}{4}, \frac{5}{6}$

(2) $\frac{1}{4}, \frac{1}{2}, \frac{5}{6}$

(3) $\frac{5}{6}, \frac{1}{4}, \frac{1}{2}$

(4) $\frac{5}{6}, \frac{1}{2}, \frac{1}{4}$

7. How many pairs of parallel lines are there in the figure below?



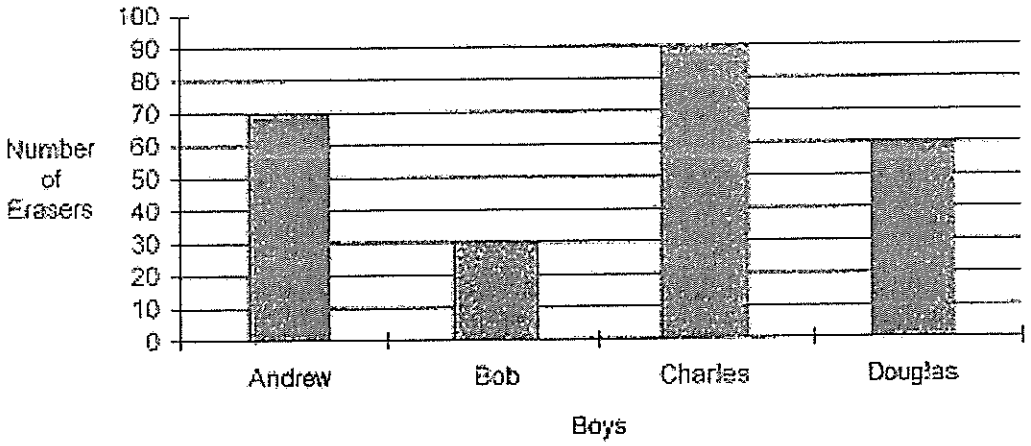
(1) 1

(2) 2

(3) 3

(4) 0

8. The bar graph below shows the number of erasers collected by 4 boys. Study the graph and use it to answer question 8.



How many more erasers did Charles collect than Bob?

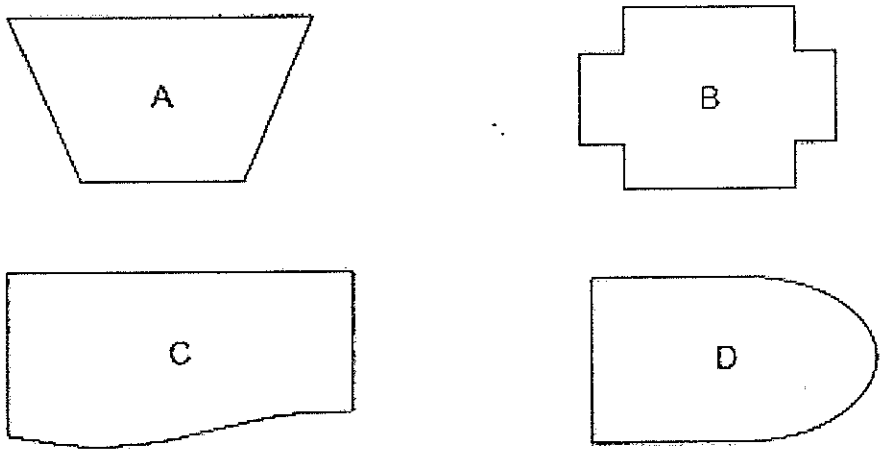
(1) 20

(2) 30

(3) 40

(4) 60

9. Which of the following figures does not have any right angles?



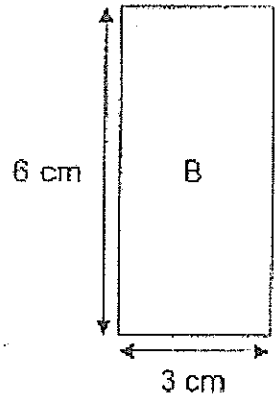
(1) A

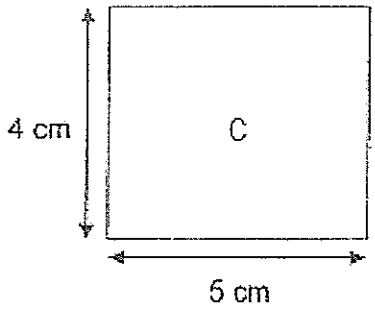
(2) B

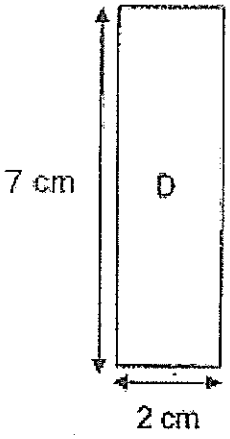
(3) C

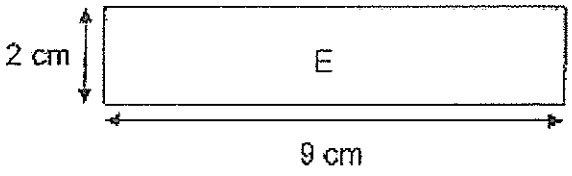
(4) D

10. The figures below are not drawn to scale. Which of the 2 figures below have the same area?









(1) B and C

(2) B and E

(3) C and D

(4) D and E

Anglo-Chinese School (Primary)

END-OF-YEAR EXAMINATION 2014
MATHEMATICS
BOOKLET B
PRIMARY THREE

Name: _____ ( ) Class: Primary 3 ___

Date: 29 October 2014 Duration of Booklets A & B: 1h 45min

_____
Parent's/Guardian's signature

INSTRUCTIONS TO CANDIDATES

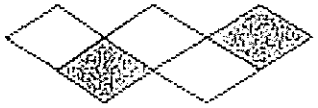
1. This question paper consists of 15 printed pages, including the cover page.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.

Section	Maximum Mark	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 clearly. Write your answer in the space provided. Give your answers in the units stated and in its simplest form whenever possible.

11. What fraction of the figure is shaded?



Answer : _____

12. Express $\frac{8}{12}$ in its simplest form.

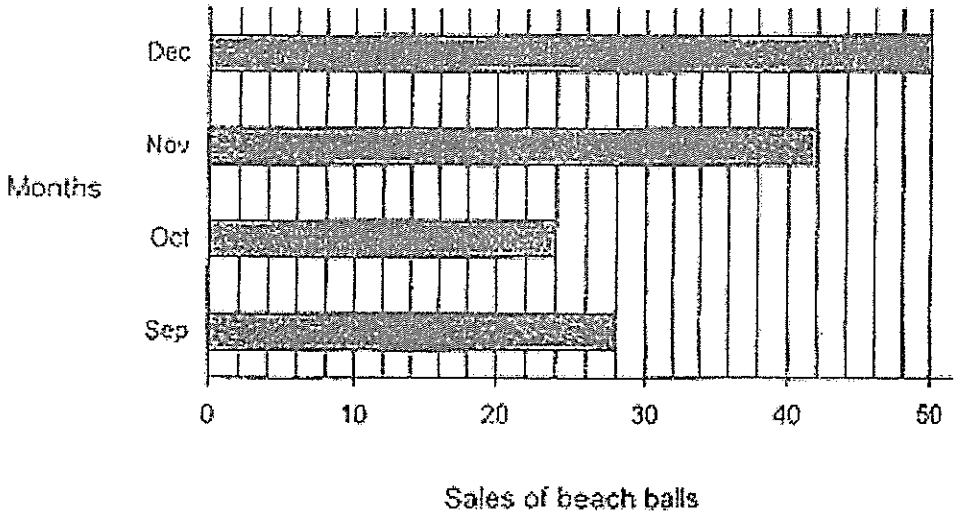
Answer : _____

13. Complete the following number pattern.

475 , 525 , 625 , _____ , 975 , 1 225, 1 525, 1 875

Answer : _____

The bar graph below shows the sales of beach balls in a toy shop.
Study the graph carefully and use it to answer questions 14 and 15.



14. In which month did the toy shop sell the least number of beach balls?

Answer : _____

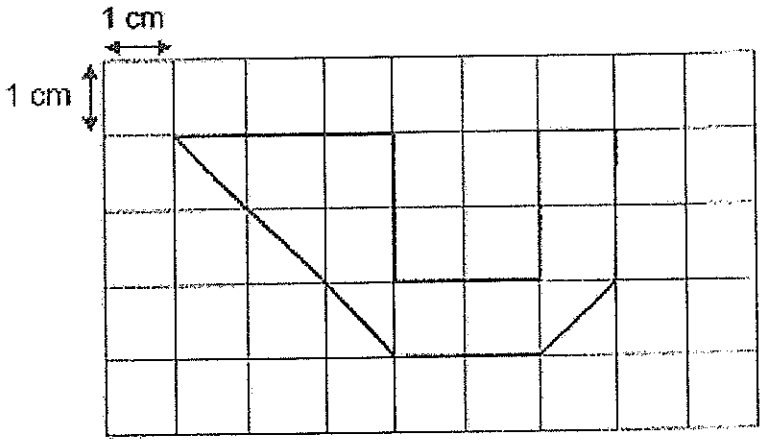
15. What is the total number of beach balls sold in the months of October, November and December?

Answer : _____

16. What is the smallest 2-digit number that can be divided by both 3 and 4?

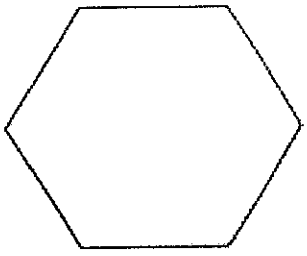
Answer : _____

17. The figure below is not drawn to scale. Find its area.



Answer : _____ cm^2

18. How many angles inside the figure are greater than a right angle?



Answer : _____

19. The capacity of a pail is 18 ℓ. It is 7 ℓ less than the capacity of a tank. What is the capacity of the tank?

Answer : _____

20. Find the value of $\frac{3}{4} + \frac{1}{8}$.

Answer : _____

21. Audrey had 1 082 roses. 246 of the roses are red while the rest are pink. Kelly gave Audrey another 429 pink roses. How many pink roses did Audrey have altogether now?

Answer : _____

22. A rope 510 m long is cut into two pieces. One piece is 5 times as long as the other piece. What is the length of the longer piece of rope?

Answer : _____ m

23. Lily has $720 more than Felix. She gives Felix $135. How much more money does she have than Felix now?

Answer : $ _____

24. What is the missing number in the box?

$$\frac{2}{8} = \frac{\boxed{?}}{12}$$

Answer : _____

25. Find the difference between $\frac{1}{2}$ and $\frac{1}{10}$. Give your answer in its simplest form

Answer : _____

26. A worker takes 20 minutes to wash a car. He washed 3 cars without taking a break. If the worker starts at 8.15 a.m., what time will he finish washing all the cars?

Answer : _____ a.m.

27. 10 poles are placed in a straight row at an equal distance apart. The distance between 2 poles is 55 m. What is the distance between the first and the last pole?

Answer : _____ m

28. Find the sum of all the odd numbers listed below.

Answer : _____

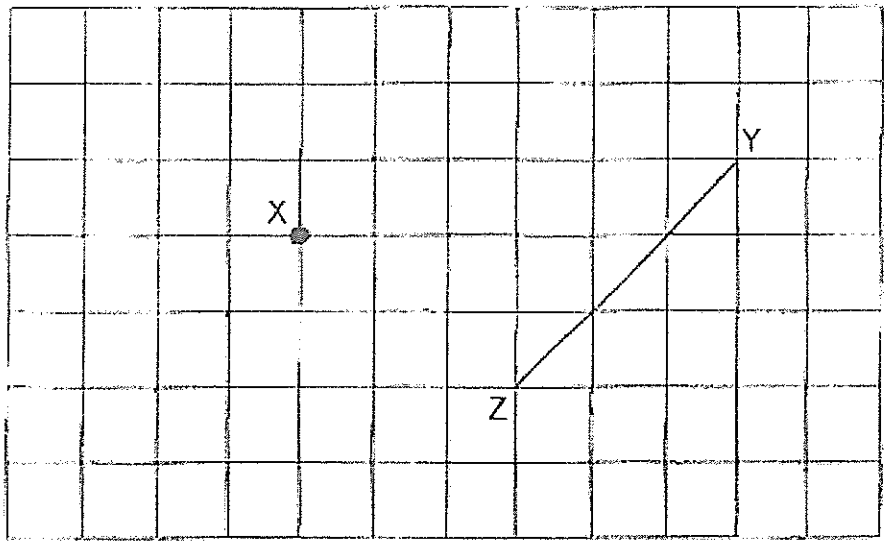
29. Jack wants to buy a pair of shoes that costs $87.30. He has $42.60. How much more money does he need to buy the pair of shoes?

Answer : $ _____

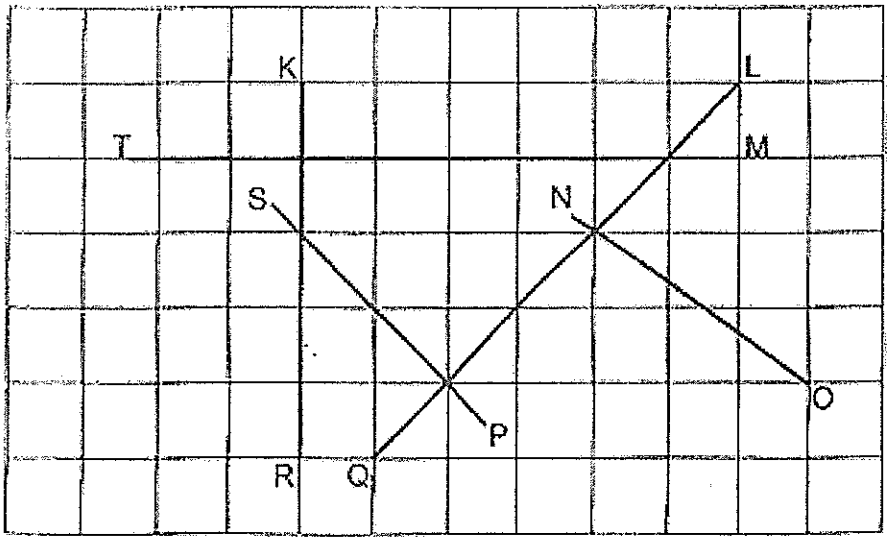
30. John had 1 radio and 3 similar laptops. The mass of the radio is 2 kg more than the mass of each laptop. The total mass of the radio and laptops is 34 kg. What is the mass of each laptop?

Answer : _____ kg

31. The figure below shows a line YZ and point X. Draw a line parallel to YZ that passes through point X.



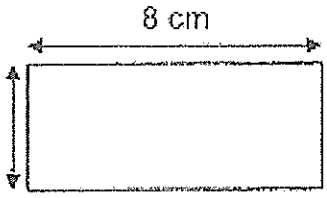
32. Identify 2 pairs of perpendicular lines in the diagram below.



Answer : _____ ⊥ _____

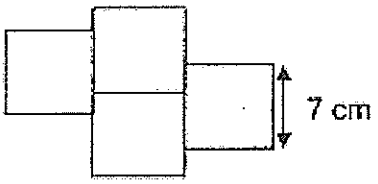
_____ ⊥ _____

33. The length of a rectangular piece of paper is 8 cm. If the breadth of the paper is 3 cm shorter than its length, what is the area of the piece of paper?



Answer : _____ cm^2

34. The figure below is not drawn to scale. It is made up of 4 identical squares. Each side of the square is 7 cm. Find the perimeter of the figure.



Answer : _____ cm

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. Write your answer in the answer space provided. Express your answers in the units stated and in its simplest form whenever possible.

35. Kim Wee had $120. He bought a calculator and a book. The calculator cost $34.50. If he had $64.70 left, how much did the book cost?

Answer: _____ [3]

36. Matthew poured 4 bottles of milk into a container. The capacity of each bottle is 350 *m*ℓ. He needed another 200 *m*ℓ more milk to completely fill the container. Find the capacity of the container.

Answer: _____ [3]

37. Joshua took a 3 hours 20 minutes train ride from Town X to Town Y. The train departed at 11.55 a.m.

a) What time did Joshua arrive in Town Y?

b) Joshua planned to reach the train station 45 minutes before the train's departure time. He needed 30 minutes to travel from his house to the train station. What is the latest time Joshua must leave his house?

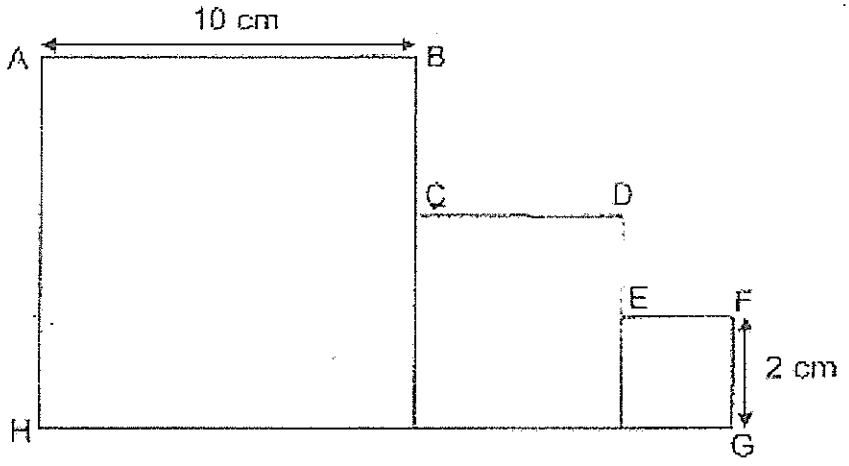
Answer: (a) _____ [1]

(b) _____ [3]

38. Ben, Cody and Dan have a total of 710 marbles. Ben gets 45 more marbles than Cody and Dan gets 173 more marbles than Ben. How many marbles does Cody have?

Answer: _____ [4]

39. The figure below, not drawn to scale, is made up of 3 squares. The length of AB is 10 cm and the length of FG is 2 cm. The length of FG is 4 cm less than the length of CD. Find the total area of the figure.



Answer: _____ [4]

40. For every 2 blue beads Joel strings, he strings 5 yellow beads. Joel strings a total of 49 blue and yellow beads into a necklace. How many more yellow beads than blue beads does he string? (You may make a list.)

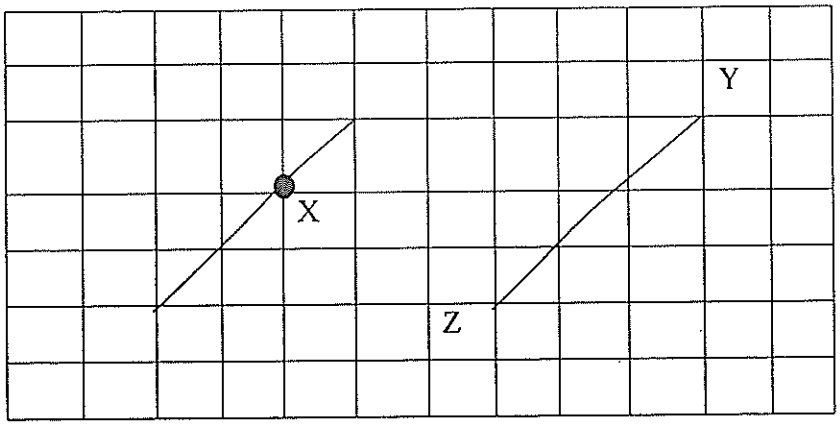
Answer: _____ [4]

End-of-Paper

YEAR: 2014
LEVEL: P3
SCHOOL: ACS
SUBJECT: MATHEMATICS
SEMESTER: SA2

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

11. 2/5
12. 2/3
13. 775
14. Oct
15. 116
16. 12
17. 9
18. 6
19. 25
20. 7/8
21. 1265
22. 425
23. 450
24. 3
25. 2/5
26. 9.15
27. 495
28. 1322
29. 44.70
30. 8
31.



32. TM $\perp$ KR
SP $\perp$ QL

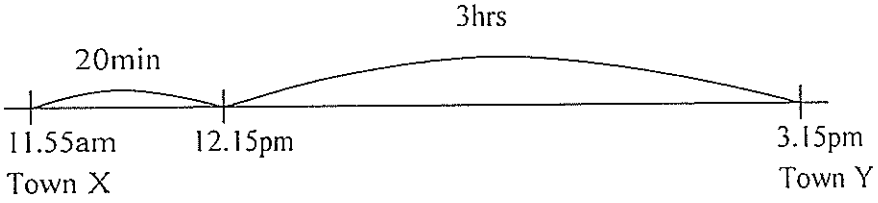
33. 40

34. 70

35. \$120 - \$34.50 = \$85.50
\$85.50 - \$64.70 = \$20.80
Answer: \$20.80

36. 4×350=1400
1400+200=1600
Answer: 1600ml

37. a)



b) Time he planned to reach station: 11.55am – 45min = 11.10am
Time he has to leave house: 11.10am – 30min = 10.40am

Answer: a) 3.15pm
b) 10.40am

38. 45+45+173= 260
710 – 263= 447
447÷3= 149
Answer: 149

39. 10×10= 100
4×4= 16
6×6= 36
36+16+100= 140
Answer: 140cm²

40.

Number of blue beads	Number of yellow beads	Total number of beads
2	5	7
4	10	14
6	15	21
8	20	28
10	25	35
12	30	42
14	35	49

$35 - 14 = 21$

Answer: 21