

Review 2

40

Choose the correct answer and write its number in the brackets provided.

[7 marks]

1. Express 39% as a decimal.

(1) 0.39

(3) 30.9

(2) 3.9

(4) 39

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2. Express $\frac{3}{5}$ as a percentage.

(1) 6%

(3) 35%

(2) 30%

(4) 60%

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3. There are 20 children at a playground. 12 of them are boys. Find the ratio of the number of girls to the number of boys at the playground.

(1) 2 : 3

(3) 3 : 2

(2) 2 : 5

(4) 5 : 3

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4. The length and breadth of a rectangle are in the ratio 8 : 5. Find the perimeter of the rectangle if its breadth is 25 cm.

(1) 40 cm

(3) 105 cm

(2) 65 cm

(4) 130 cm

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5. Mr Reynolds gave 45% of his monthly salary to his wife. He spent 30% of his salary and saved the rest. If he saved \$210 less than what he spent, how much money did he give to his wife?

(1) \$1050

(3) \$1890

(2) \$1260

(4) \$4200

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6. The ratio of the number of boy scouts to the number of girl guides is 8 : 7. If there are 675 boy scouts and girl guides in all, find the number of girl guides.

(1) 45

(3) 315


(2) 56

(4) 360


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Do these word problems. Show your working clearly in the space provided.

- 16.** Philip has 600 blue and red beads. The ratio of the number of blue beads to the number of red beads is 3 : 5. If he loses 49 blue beads and 243 red beads, what is the new ratio of the number of blue beads to the number of red beads? **[4 marks]**

-  **17.** Xavier, Yolanda and Zara shared some money. Yolanda received 40% more money than Xavier and Zara received 60% of Yolanda's share. If Zara received \$1176, what was the sum of money? **[3 marks]**

18. Sandra used 15% of a bag of flour to make a pizza and 34% of the flour to bake some cookies. She had 720 g more flour remaining than the amount of flour used to make the pizza. How much flour did Sandra have at first? **[3 marks]**

-  19. Jess's monthly salary is 25% more than Fiona's monthly salary. If Fiona's salary for 6 months is \$27 000, find Jess's annual salary. **[4 marks]**

- 20.** The ratio of the number of cars to the number of motorcycles on the road during peak hours is 5 : 4. The ratio of the number of motorcycles to the number of lorries on the road during peak hours is 8 : 5.
- (a) If the total number of cars and motorcycles on the road during peak hours is 1044, how many more motorcycles than lorries are there? **[3 marks]**
- (b) How many vehicles are there on the road during peak hours? **[1 mark]**