Test: (2020) Primary 6 Maths (Term 1) - ACS

Points: 28 points

Name: _____   **Score:** _____

Date: _____

Signature: _____

Select multiple choice answers with a cross or tick:

◯ Only select one answer

☐ Can select multiple answers

Question 1 of 28   Primary 6 Math (Term 1)   1 pt
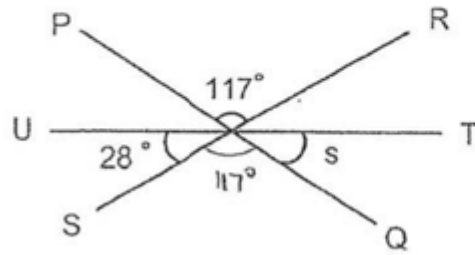
Simplify 7b + 8 + b - 4- 2b

◯ **A)**   6b-4
◯ **B)**   6b+4
◯ **C)**   10b-4
◯ **D)**   10b+4

Question 2 of 28

Primary 6 Math (Term 1)   1 pt

In the figure, PQ, RS and TU are straight lines as shown in the figure.
Find ∠s.

A) 28

B) 35

C) 62

D) 63

Question 3 of 28

Primary 6 Math (Term 1)   1 pt

In a class of 42 students, 24 are boys. What is the ratio of the number of girls to the numbers of boys?

A) 1:4

B) 3:4

C) 4:3

D) 4:7

Question 4 of 28

Primary 6 Math (Term 1)   1 pt

6x7+6=2x7+____

What is the missing number?

A) 17

B) 32

C) 34

D) 64

Question 5 of 28   Primary 6 Math (Term 1)   1 pt

James bought $\frac{3}{4}$ kg of peanuts. He packed the peanuts equally into some bags. Each bag weighed $\frac{1}{16}$ kg. How many bags of peanuts did he have?

- A) 12
- B) 16
- C) 48
- D) 64

Question 6 of 28   Primary 6 Math (Term 1)   1 pt

Ben, Jerry and Kumar had some flour. The ratio of the amount of flour Ben had to the amount of flour Jerry had was 2 : 3. Jerry had $\frac{4}{5}$ the amount of flour Kumar had. Kumar had 420 g of flour more than Ben. How much flour did Jerry have?

- A) 240g
- B) 630g
- C) 720g
- D) 840g

Question 7 of 28   Primary 6 Math (Term 1)   1 pt

The original price of a pair of shoes was $50. At a sale, Adam was given a 20% discount. There was a 7% GST on the discounted price of the shoes. How much did Adam pay for the pair of shoes with GST?

- A) $37.20
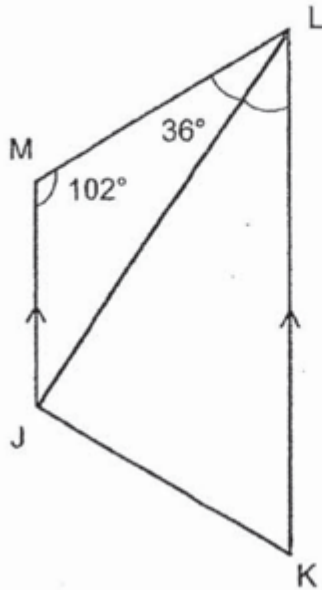- B) $42.80
- C) $46.50
- D) $53.50

Question 8 of 28

Primary 6 Math (Term 1)   1 pt

Find the value of $8p + \dfrac{p+3}{2} - 3$ when $p = 7$.

Question 9 of 28

Primary 6 Math (Term 1)   1 pt

JKLM is a trapezium. $\angle JML = 102°$ and $\angle MLJ = 36°$. Find $\angle JLK$.
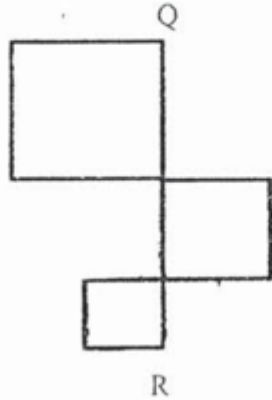

Question 10 of 28

Primary 6 Math (Term 1)   1 pt

Find the value of 99-63÷9+7x6

Question 11 of 28   Primary 6 Math (Term 1)   1 pt

A piece of string 68 cm was bent to form 3 squares as shown below. Find the length of QR.

Question 12 of 28   Primary 6 Math (Term 1)   1 pt

Find the value of $\frac{3}{7} \div \frac{9}{28}$. Give your answer as a mixed number in its simplest form.

Question 13 of 28   Primary 6 Math (Term 1)   1 pt

A bubble tea shop sold 7x cups of bubble tea on Monday. It sold (8z-20) cups of bubble tea on Tuesday. It sold a total of 550 cups of bubble tea in 2 days. Find the value of z.

Question 14 of 28   Primary 6 Math (Term 1)   1 pt

Angie bought 3 kg of chocolates. She kept $\frac{2}{5}$ of it for herself and shared the rest equally with some children. Each child received $\frac{1}{5}$ kg of chocolates. How many children were there?

Question 15 of 28   Primary 6 Math (Term 1)   1 pt

James had blue and purple markers. The ratio of the number of blue markers to the number of purple markers is 2:3. He gave away 56 purple markers. In the end, the ratio of the number of blue markers to the number of purple markers is 3:1. How many blue markers did James have?
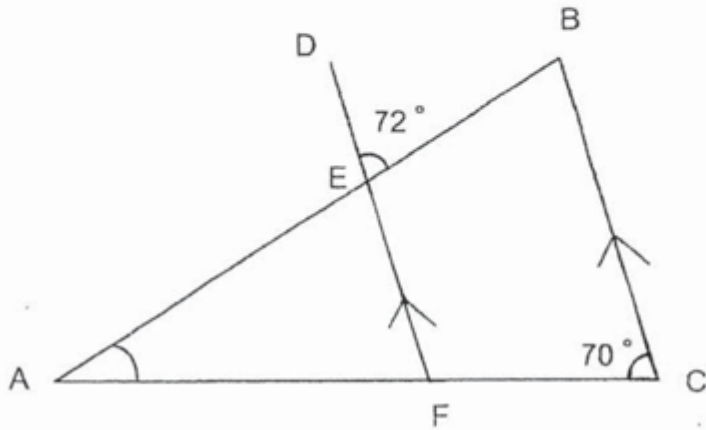
Question 16 of 28   Primary 6 Math (Term 1)   1 pt

There are 32 children in a group. 20 of them are boys. What percentage of the children are girls?

Question 17 of 28   Primary 6 Math (Term 1)   1 pt

In the figure below, ABC is a triangle. ∠DEB = 72° and ∠FCB = 70°.

BC is parallel to DF. Find ∠EAF.

Question 18 of 28   Primary 6 Math (Term 1)   1 pt

A book cost $5.40 more than a pen. Mindy bought 2 books and 4 times as many pens. She spent $36.80 altogether. How much did each pen cost?

Question 19 of 28   Primary 6 Math (Term 1)   1 pt

Chester had 20 more stickers than Brian. Brian used $\frac{4}{7}$ of his stickers and

Chester used $\frac{3}{5}$ of his stickers. In the end, Brian and Chester had the same number of stickers left. How many stickers did they have altogether at first?

Question 20 of 28   Primary 6 Math (Term 1)   1 pt

The breadth of a rectangle is $\frac{3}{5}$ of its length. The perimeter of the rectangle is 48 cm.

(a) What is the breadth of the rectangle?

Question 21 of 28   Primary 6 Math (Term 1)   1 pt

b) What is the area of the triangle?

Question 22 of 28   Primary 6 Math (Term 1)   1 pt

At first, Tim had some $2 and $10 notes in the ratio of 5:2. He then exchanged 2 pieces of $10 notes with his mother for $2 notes of the same value. In the end, the ratio of $2 notes to $10 notes is 5:1.

a) How many $10 notes did he have at first?

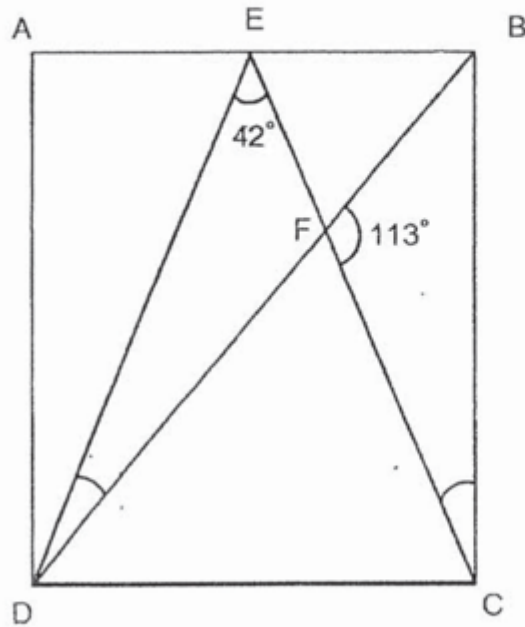## Question 23 of 28   Primary 6 Math (Term 1)   1 pt

b) How much money did he have at first?

Question 24 of 28   Primary 6 Math (Term 1)   1 pt

In the figure below, ABCD is a rectangle and ECD is an isosceles triangle.
ED = EC. ∠DEC = 42° and ∠BFC = 113°.

(a) Find ∠ECB

Question 25 of 28   Primary 6 Math (Term 1)   1 pt

b) Find EDB

Mary had $200. She spent $\frac{1}{5}$ of her money on some wet wipes and $\frac{3}{8}$ of the remaining money on some hand wash and the rest on masks.

(a) How much money did she spend on masks?

(b) Mary bought a total of 40 packs of surgical and N95 masks. The table below shows the cost of one pack of masks.

Type of mask	Cost of one pack of mask
Surgical	$2
N95	$7

How many packs of N95 masks did Mary buy?

There were 40 more girls than boys in the school hall. $\frac{2}{5}$ of the girls and $\frac{1}{3}$ of the boys left the hall. In the end, there were 18 more girls than boys remaining in the hall. Find the total number of girls and boys in the hall at first.