Methodist Girls' School (Primary)
Primary 6 Mathematics
Weighted Assessment 1 2025

The use of an APPROVED CALCULATOR is ALLOWED.

Name: _____ ( ) Date: _____

Class: Primary 6. _____ Parent's Signature: _____

30

Questions 1 to 4 carry 1 mark each. Questions 5 to 8 carry 2 marks each. Show your workings clearly in the space below each question and write your answers in the answer spaces provided. For questions which require units, give your answers in the units stated. (12 marks)

Do not write in this space

1 Find the value of $\frac{3}{5} + 1\frac{6}{7}$.

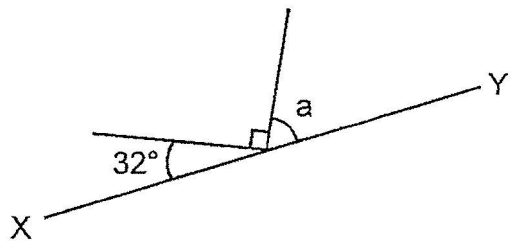
Express your answer as a decimal to the nearest tenth.

Ans: _____

2 Write a number between $1\frac{1}{2}$ and $1\frac{5}{8}$.

Ans: _____

3 XY is a straight line. Find ∠a.



Ans: _____ °

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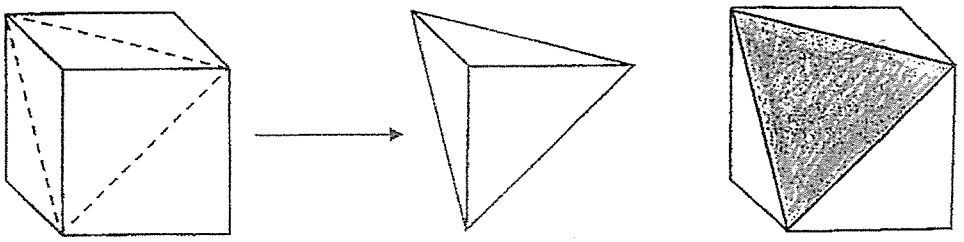
4 Mr Lim cut a wooden cube at 3 corners of the cube and painted a triangular face on Block B as shown.



Cube Block A Block B

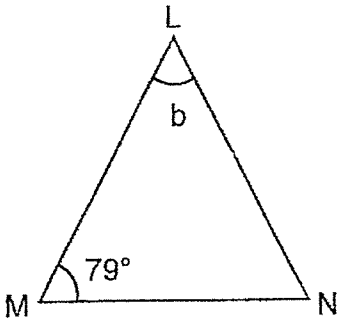
Circle the words that describe the painted face in the statement:

The triangular painted face in Block B is a / an (scalene / isosceles / equilateral) triangle as it has (0 / 2 / 3) equal sides.

5 Express 54 cm as a fraction of 2.5 m.
Leave your answer in its simplest form.

Ans: _____

6 LMN is an isosceles triangle. LM = LN. Find ∠b.



Ans: _____ °

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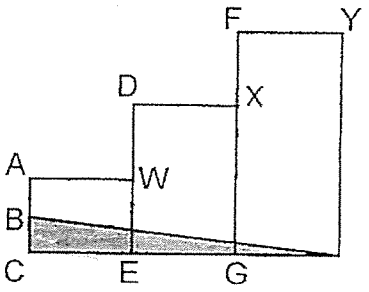
7 The figure below is formed by 3 rectangles.
BC : AC : DE : FG = 1 : 2 : 4 : 6. FY = DX = AW.
What fraction of the figure is shaded?
Give your answer in its simplest form.



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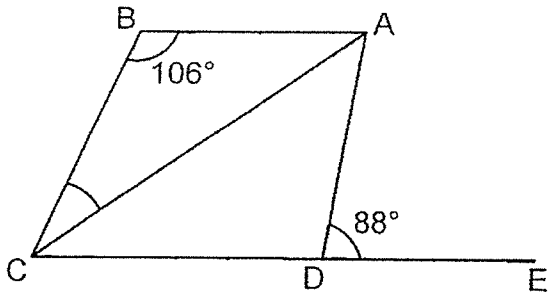
Ans: _____

8 ABCD is a trapezium with AB parallel to DC and DC = DA.
CDE is a straight line. ∠ADE = 88° and ∠ABC = 106 °.
Find ∠BCA.



Ans: _____ °

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For Questions **9** to **13**, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question. (18 marks)

Do not write in this space

9 Norman has 14 kg of cashew nuts. He packs them into bags of $\frac{3}{4}$ kg and has some left. He sells each bag for \$4.95.

(a) What is the greatest amount of money that Norman can get from selling all the $\frac{3}{4}$-kg bags of cashew nuts?

Ans: (a) _____ [2]

(b) What is the mass of cashew nuts left?

Ans: (b) _____ [1]

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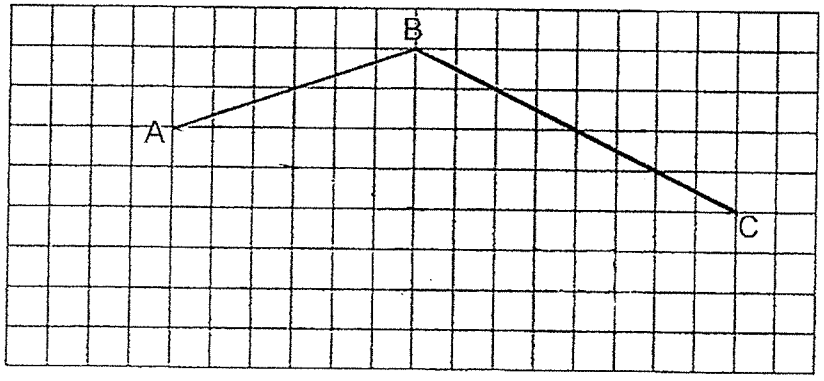
10 In the square grid below, AB and BC are straight lines.



(a) Measure and write down the size of ∠ABC.

Ans: (a) _____ [1]

(b) AB and BC form 2 sides of a trapezium ABCD.
AB is parallel to DC. DC is half the length of AB.
Complete the drawing of ABCD and label point D. [2]

11 Xinyu and Caitlyn had \$708 altogether. Xinyu spent $\frac{4}{7}$ of her money and Caitlyn spent $\frac{3}{8}$ of her money. In the end, both girls had an equal amount of money left. How much money did Xinyu have at first?

Ans: _____ [3]

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12 In the figure, PTRU is a square. PTS and QRS are straight lines. ∠QPU = 8° and ∠PQR = 40°.

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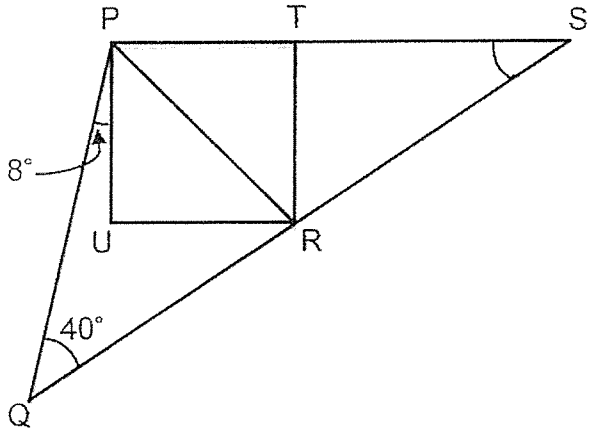

(a) Find ∠PSR.

Ans: (a) _____ [2]

(b) Find ∠PRQ.

Ans: (b) _____ [2]

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13 Kirsten bought 3 pens and 4 erasers with $\frac{2}{5}$ of her money.
Each pen cost 4 times as much as an eraser.
She spent $\frac{1}{4}$ of her remaining money on a notebook.
The notebook cost $2.20 more than a pen.

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(a) What fraction of her money did she spend on each pen?

Ans: (a) _____ [2]

(b) How much did the notebook cost?

Ans: (b) _____ [3]

END OF PAPER

YEAR : 2025
LEVEL : PRIMARY 6
SCHOOL : METHODIST GIRLS' SCHOOL (PRIMARY)
SUBJECT : MATHEMATICS
TERM : WEIGHTED ASSESSMENT 1

(BOOKLET A)

Q1

$\frac{3}{5} + 1\frac{6}{7} = 2.45$

$2.45 = 2.5$ (1 d.p.)

Q2

$1\frac{1}{2}$ (Both x 4) $= 1\frac{4}{8}$

$1\frac{4.5}{8} = 1\frac{9}{16}$

Q3

Angle A = 180° – 90° – 32° = 58°

Q4

The triangular painted face in Block B is an equilateral triangle as it has 3 equal sides.

Q5

$\frac{54}{250} = \frac{27}{125}$

Q6

Angle B = 180° – (79° x 2) = 22°

Q7

$\frac{1}{2} \times 6 \times 1 = 3$

$\frac{3}{24} = \frac{1}{8}$

Q8

Angle ACD = 88° ÷ 2 = 44°

Angle BCA = 180° – 106° – 44° = 30°

Q9

a)

$\frac{3}{4}$ kg = 750 g

14 kg ÷ 750 g $= 18\frac{2}{3}$

18 x \$4.95 = \$89.10

b)

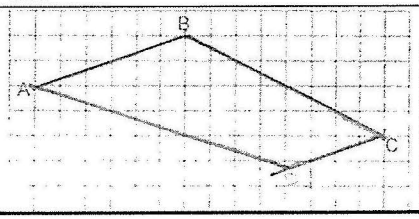
18 x 750 = 13 500 g

14 000 g – 13 500 g = 500 g

Q10

a) 135°

b)



Q11

S : L : T

4 : 3 : 7

20 : 15 : 35

3 : 5 : 8

9 : 15 : 24

Total = 35u + 24u = 59u

59u = \$708

1u = \$12

35 = 12 x 35 = \$420

Q12

a)

Angle SPQ = 90° + 8° = 98°

Angle PSR = 180° – 98° – 40° = 42°

b)

Angle SPR = 90° ÷ 2 = 45°

Angle PRS = 180° – 45° – 42° = 93°

Angle SRT = 93° – 45° = 48°

Angle PRQ = 180° – 45° – 48° = 87°

Q13

a)

$1 - \frac{2}{5} = \frac{3}{5}$

$\frac{3}{5} \times \frac{1}{4} = \frac{3}{20}$

$\frac{2}{5} = \frac{8}{20} = 16u$

$\frac{8}{20} \div 16 = \frac{1}{40}$

$\frac{1}{40} \times 4 = \frac{1}{10}$

b)

$\frac{8}{20} = 16u$

$\frac{5}{20} = 16u - 4u = 12u + \$2.20$

$\frac{3}{20} = 4u + \$2.20$

$\frac{1}{20} = 2u$

$\frac{11}{20} = 2u \times 11 = 22 + \$2.20$

2u = \$2.20

1u = \$2.20 ÷ 2 = \$1.10

4u = \$1.10 x 4 = \$4.40

\$4.40 + \$2.20 = \$6.60

END

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