

ANSWER KEY

SCHOOL : RED SWASTIKA SCHOOL

LEVEL : PRIMARY 6

SUBJECT : MATHS

TERM : 2021 SA1

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

Q11	Q12	Q13	Q14	Q15
1	1	2	3	2

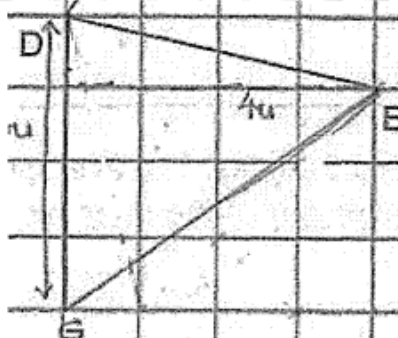
Q16	18.20
Q17	340
Q18	2 Hours 20 Minutes
Q19	4
Q20	$\frac{1}{3}$
Q21	$\frac{2}{9}$
Q22	14
Q23	\$900
Q24	756cm^2
Q25	$9P + 8$
Q26	103°
Q27	86°
Q28	32°
Q29	\$60
Q30	1 : 10

Paper 2

Q1. $3u + 7u = 10u$

$$2u = 6$$

$$7u = 21$$

Q2)	$\frac{28}{4} = 7cm$ $\frac{1}{2} \times \frac{32}{7} \times 14 = 22cm$ $\frac{1}{4} \times \frac{22}{7} \times 14 = 18$ $perimeter = 86cm$
Q3)	$100\% = 40$ $120\% = 48$
Q4)	$18 \times 3 = 54cm$ $4u = 48cm$ $1u = 12cm$
Q5)	
Q6)	<p>(a) $QTS = 180^\circ - 37^\circ - 37^\circ = 106^\circ$ $PTQ = 180^\circ - 106^\circ = 74^\circ$ $PQT = 180^\circ - 74^\circ - 39^\circ = 67^\circ$ $SQR = 180^\circ - 67^\circ - 37^\circ = 76^\circ$ $QSR = 180^\circ - 76^\circ - 66^\circ = 38^\circ$</p> <p>(b) is not & is not</p>
Q7)	$\frac{1}{2} \times 3.14 \times 5 \times 5 = 39.25cm^2$ $\frac{1}{4} \times 3.14 \times 20 \times 20 = 314cm^2$ $314 - 39.25 - 39.25 = 235.5cm^2$
Q8)	$b = \frac{1}{2} \text{ of area of } x$ $area \text{ of } x = 5 \times 2 = 10$ $area \text{ of } c = 5 - 1 = 4$ <ul style="list-style-type: none"> - Not possible to tell - False - True
Q9)	$\frac{1}{4} \times \frac{22}{7} \times 14 = 11cm$ $11 + 7 = 18cm$ $125 - 11 = 114$ $114 - 21 - 21 = 72cm$ $\frac{72}{2} = 36cm$

Q10)	$\frac{1}{2} \times \frac{3}{14} \times 8 \times 8 = 110.48 \text{cm}^2$ $(16 \times 16) \times 2 = 512 \text{cm}^2$ $16 \times 8 = 128 \text{cm}^2$ $\text{total} = 128 + 100.48 + 100.48 + 512 = 840.96 \text{cm}^2$
Q11) (a) $10u = \$2000$	$3u = \$600$ <p>(b) <i>March transport</i> = $\frac{10}{100} \times 2000 = \\200</p> $\text{shopping} = \frac{60}{100} \times 2000 = \1200 $\text{food} = \$2000 - \$1200 - \$200 = \600 $\text{April transport} = \200 $\text{shopping} = \frac{90}{100} \times \$1200 = \$1080$ $80\% = \$1080 + \$200 = \$1280$ $100\% = \$16 \times 100 = \1600
Q12) (a) $60 \div 5 = 15$	$15 \times 2 = 30 \text{cm}$ <p>(b) $23 \div 2 = 11.5$</p> $4 \div 2 = 2$ $5 \div 2 = 2.5$ $11 \times 2 \times 2 = 44$
Q13) (a) <i>AOB</i>	<p>(b) $OBA = (180 - 90) \div 2 = 45$</p> $OBC = 58$ $ABC = 58 - 45 = 13$ <p>(C) $BOC = 180 - 58 - 58 = 64$</p> $AOC = 90 - 64 = 26$
Q14)	$\text{choco left} = \frac{1}{6} \text{ of } \frac{3}{4} = \frac{1}{8}$ $\text{butter left} = \frac{1}{5} - \frac{1}{8} = \frac{3}{40}$ $\text{butter sold} = \frac{1}{4} - \frac{3}{40} = \frac{7}{40}$ $\frac{7}{40} = 105$ $\frac{1}{40} = 15$ $\frac{40}{40} = 600$

Q15) (a) $m:w = 23:5$

$$23u = 46$$

$$1u = 46 \div 23 = 2$$

$$8u = 16$$

(b) $\frac{1}{3}$ of $M = 16$

$$\text{men} = 16 \times 3 = 48$$

$$4u = 48$$

$$3u = 36$$

Q16) (a) jerry had 6 more kaya buns = $6 \times 50\text{cents} = 300\text{cents}$

$$\text{total diff} = 300\text{cents} + 90\text{cents} = 390\text{cents}$$

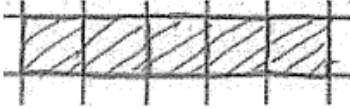
$$\text{per diff} = 80\text{cents} - 50\text{cents} = 30\text{cents}$$

$$\text{no. of buns} = 390\text{cents} \div 30\text{cents} = 13$$

(b) jerry = $13 + 6 = 19$

$$\text{cost} = 19 \times 50\text{cents} = \$9.50$$

Q17) (a) $P = 3 \times 4 = 12\text{cm}$



(b)

(c) largest area = $7 \times 8 = 56\text{cm}^2$