ANSWER KEY

YEAR : 2021

LEVEL : PRIMARY 6

SCHOOL : ACS (PRIMARY)

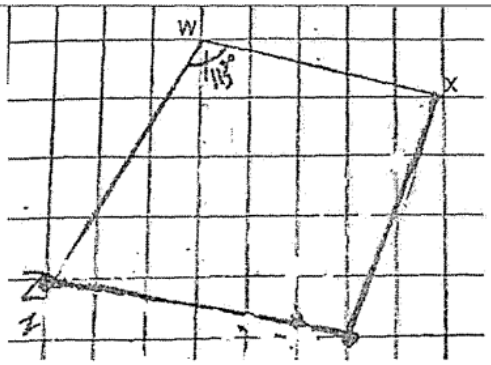
SUBJECT : MATHS

TERM : MID-YEAR EXAM

Q1	2	**Q2**	3	**Q3**	3	**Q4**	2	**Q5**	2
Q6	2	**Q7**	1	**Q8**	2	**Q9**	1	**Q10**	4
Q11	2	**Q12**	1	**Q13**	3	**Q14**	4	**Q15**	2

Q16	**6035**
Q17	**1% =** $\frac{1}{100}$ **0.1% =** $\frac{1}{1000}$ **0.4% =** $\frac{4}{1000}$ **=** $\frac{1}{250}$
Q18	$\frac{2}{3} \div \frac{1}{6} = \frac{2}{3} \times \frac{6}{1}$ $= \frac{12}{3}$ **= 4h**
Q19	**Angle ABE = 180 – 124 = 56** **Angle DBE = 180 – 152 = 28** **Angle EBD = 180 – 28 – 56 = 96**
Q20	**88 + 14 + 14 = 116cm**
Q21	**Y hours – 60y mins** **(60y – 10) / 3** **=** $\left(\frac{60y-10}{3}\right)$ **min**

Q22	16 and 96
Q23	2 + 5 + 15 = 22 8 x 5 x 3 = 120 120 – 22 = 98 98 x 8 = 784ml
Q24	$\frac{1}{2} \times \frac{6}{1} \times \frac{8}{1} = \frac{24}{1}$ π x 10 x 10 = 100 π $\frac{100\pi}{4}$ = 25 π π x 8 x 8 = 64 π $\frac{64\pi}{4}$ = 16 π 16 π + 25 π + 24 = (41 π + 24) cm2
Q25	$\frac{50}{10}$ = 5 5 x 3 = 15 5 x 7 = 35 25 – 15 = 10
Q26	a) 210 + 180 + 140 + 120 + 300 = 950 $\frac{300}{950} = \frac{6}{19}$ b) 300 + 120 = 420 $\frac{420}{2}$ = 210 210 + 20 = 230 230 x 2 = 460 ANS = 230 , 230
Q27	a) TRUE b) Not possible to tell

Q28	$\frac{1}{3}$ x 12u = 4u 12u – 4u = 8u 8u – 3u = 5u 5u = 85 15u = 85 x 3 =$255
Q29	
Q30	16 + 18 + 24 = 58 58 – 18 – 18 = 22

PAPER 2

Q1	3u = 273 1u = $\frac{273}{3}$ 1u = 91 7u = 91 x 7 =637
Q2	8kg8g = 8008g 1kg200g = 1200g 0.95 = 950g 8008 – 1200 – 950 – 1070 = 4788 $\frac{4788}{9}$ = 532 532g = 0.532kg

Q3	(2u x 5) – (3u x 3) = 1u 5 years = 1u 5 x 9 = 9u 45 = 9u ANS: 45 years old
Q4	a) X b) 584 + 590 + 498 + 574 = 2246 $\frac{2246}{4}$ = $561.5
Q5	$<$ RPQ + $<$ PRQ = 180° - 90° - 60° = 30 ° $<$ RPQ = $\frac{30°}{2}$ = 15° $<$ RPT = 60° - 15° = 45°
Q6	$\frac{1}{2}$ x 3.14 x 48 = 7536 $\frac{48}{4}$ = 12 (36 -12) x 4 = 96 75.36 + 96 = 171.36
Q7	432 ÷ 12 ÷ 12 = 3 12 – 3 = 9cm
Q8	a) 72 x 50 = 3600 3600 ÷ k – 320 $= \frac{3600}{k}$ - 320 $ANS: (\frac{3600}{k} - 320)$ oranges b) 3200 ÷ 9 = 400 400 – 320 = 80 80 x 6 = $480
Q9	$<$ CGF = 180° - 90° - 63° = 27° $<$ BGE = 180° - 90° - 58° = 32° $<$ CGX = 27° x 2 = 54° $<$ BGY = 32° x 2 = 64° $<$ Z = 180° - 54° - 64° = 62°
Q10	8u – 51 = 5u + 42 8u – 5u = 42 + 51 3u = 93 1u = 93 ÷ 3 1u = 31 13u = 31 x 13 13u = 403

Q11	5 x 37 = 185 5 x 28 = 140 185 – 140 = 45 33 – 28 = 5 $\frac{45}{5}$ = 9 9 x 33 = 297
Q12	a) 14 + 14 = 28 P of 2C = $\frac{22}{7}$ x 28 x 2 = 176cm b) Ar of q = $\pi r2$ x $\frac{1}{4}$ = $\frac{22}{7}$ x 14 x 14 x $\frac{1}{4}$ = 154 Ar of sq = 14 x 14 = 196 196 – 154 = 42 196 – 42 – 42 = 112 Ar of Cir = $\pi r2$ = $\frac{22}{7}$ x 14 x 14 = 616 616 – 112 = 504 504 x 2 = 1008cm2
Q13	4u x 5 = 20u 20u – 5u = 15u 75% of bill = 15u 25% of bill = 15u ÷ 3 = 5u 4u x 3 = 12u 12u – 5u = 7u 56 = 7u 56 ÷ 7 = 1u 8 = 1u 100% of bill = 15u + 5u = 20u 8 x 20 = 20u 160 = 20u ANS: $160

Q14	a) 5u x 4 = 20u 16 x 1 = 16 12 x 2 = 24 16 + 24 = 40 20u = 40p 1u = 40 ÷ 20p 1u = 2p 3u = 2p x 3 3u = 6p ANS: 6 cookies b) 6p ÷ 1p = 6 5M = 4p x 5 = 20p 12u = 12 x 2p 12u = 24p 24p – 20p = 4p 4p ÷ 2p = 2 12 + 2 = 14 ANS: 14 sandwiches
Q15	a) <AED = 180° - 115° - 32° = 33° b) $< BAC$ = 180° - 85° - 65° = 30°
Q16	a) 100 x 39 = 3900 $\frac{125}{100}$ x 3900 = 4875 $\frac{4875}{150}$ = 32.5 ANS : $3250 b) 39 – 32.5 = 6.5 $\frac{6.5}{39}$ x 100 = $16\frac{2}{3}\%$
Q17	a) 1u→20¢ + 50¢ = 70¢ 50¢ →(3x70) x 0.5 = 105 20¢ →(2x70) x 0.2 = 28 105 + 28 = 133 b) (4x70) + 50 + 50 =380