



# Scotch College,

MELBOURNE.

*one thousand nine hundred and one some less three*  
A.D. 1917

Name & No. *A E Jventyman 283* (283)

Form **BB**

VIC PHYSICS  
VIB ENG. ARITH. ALG. ~~GEOM. TRIG. DRAWING~~  
VI A FRENCH  
VI - CHEM. GEOR

Subject *Physics*

10

$$\text{Heat Lost} = \text{Heat gained}$$

$$3L (100 - 30) = 91$$

11

12

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No. 11

$$\text{Heat lost} = \text{Heat gained}$$

$$2L + 2(L + 100 - 30^\circ C) = 57.6 \times 20 + 3 \times 20$$

$$2L + 140 = 1152.0 + 60$$

$$2L = 1212 - 140$$

$$2L = 1072$$

$$L = 536 \text{ calories}$$

12

$$\text{Heat Lost} = \text{Heat gained}$$

$$1.62(L + 100 - 36^\circ) = (50 + 40 \times 2)(18)$$

$$1.62L + 103.68 = 900 + 72$$

$$1.62L = 972 - 103.68$$

$$1.62L = 868.32$$

$$L = 536$$

$$1.62 \overline{) 868.32} \quad (536)$$

$$\underline{810}$$

$$583$$

$$\underline{486}$$

$$972$$

$$\underline{972}$$

P 2 2 5  
No 16, 17

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No 16, 17

72
<u>2.5</u>
144.0
<u>36.0</u>
180.0

$$\text{Heat lost} = \text{Heat gained}$$

$$2.5(L + 72) = (40 \times 1 + 81)(20 - 10)$$

$$2.5L + 180 = (4 + 81)(18)$$

$$2.5L + 180 = 72 + 1458$$

$$2.5L = 1530 - 180$$

$$2.5L = 1350$$

$$L = 540 \text{ cal.}$$

2.5) 1350 (540
<u>125</u>
100

### 2nd Law of motion

$$\frac{m(v-u)}{t} = F$$

$$\frac{v-u}{t} = \text{acc}$$

$$ma = KF$$

F = MA minto built  
a new car about  
1922 which ran on  
Brighton Ra StK  
line as 456

443	Port Melbourne as	33
444		34
445		35
446		36
447		37
448		38
449		39
450	Brighton Ra StK as	40
451	"	41
452	Zoological Gdn	42
453	"	43
454	Brighton Ra StK	44
455		45
456	The original was small horse tram and sold to Northcote where it became No 8	
457	Windsor as	87 later 457 BR StK
458	"	88 later 458 StK Esp to No 6
459	Windsor	89
460	Van as BRIGHTON ROAD No 90	90
461		91
462		92
463		93
464		94
465	Brighton Ra StK	95
466	"	96
467	Early whereabouts unknown later ran as 467 at North Melbourne South Melbourne	

Van as  
BRIGHTON ROAD  
WINDSOR No 90

Heat      Conduction      rod of metal in fire  
           Convection      liquids, water  
                               gases, winds

Conduction is the transmission of heat from hotter to colder parts of the body in contact with it. This transmission takes place gradually from particle to particle without any visible motion of the parts of the body.  
 Radiation Heat is said to be transmitted by radiation when it passes from one pt to another in str. lines with great speed without heating the medium through which it passes.

468 to 495	B wood	518	G Hill
496	Yellow spar	519	G Hill
497	do	520	G Hill
498	StK E. to N. C.	521 to 527	B wood
499	Red Spar	528	StK. B to N C
500	do	529	do
501	Brighton Ra StK	530	Windsor
502	Red spar	531	Windsor
503	Vic Bridge	532	North Hill
504	Victory Bridge	533	North Hill
505	Victory Bridge	534	Brighton Ra StK
506	Isorah	535	NIT Flag
507	do	536	do
508	North Hill	537	Spar
509	do	538	"
510	Spar (green)	539	Brighton Ra StK
511	Spar	540	Victory Base
512	Brighton Ra StK	541	do
513	do	542	do
514	Victory Base	543	do
515	Spar	544	do
516	Victory Base	545	Brighton Ra StK
517	do	546	"

547	Brighton Ra StK	595	Port Hill
548	"	596	"
549	North Hill	597	Prabon
550	"	598	Prabon
551	Victory Bridge	599	Victory Base
552	"	600	Victory Base
553	"	601	Abbotsford
554	"		
555	"		
556	South Hill		
557	Nicholson St		
558	"		
559	"		
560	North Hill		
561	StK		
562	"		
563	North Hill		
564	"		
565	North Hill		
566	"		
567	"		
568	South Hill		
569	"		
570	N. S. St		
571	"		
572	Isorah		
573	Victory Base		
574	Abbotsford		
575 to 587	N. Cote		
588	V. Base		
589	V. Base		
590	Brighton Ra StK		
591	V. Base		
592	"		
593	Brighton Ra StK		
594	"		

1918

1919

FEB. 25	MAR. 23	APR 15	MAY 6	MAY 23	JUNE 7	JUNE 24	JULY 8	JULY 23	AUG 14	OCT 19	DEC JAN 14	FEB 26	AUG 9
520	228	175	174	163	169	166	236	155	157	174	163	174	173
160	234	168	165	229	161	228	158	171	35	160	47	234	151
159	173	35	391	165	229	46	175	47	173	48	236	47	174
34	153	235	160	153	234	46	234	175	161	360	520	165	402
171	287	48	151	34	168	46	154	287	161	170	169	168	402
165	46	234	165	287	520	155	228	402	163	165	236	402	171
162	156	518	228	234	160	288	170	154	161	173	402	236	170
287	519	155	168	163	35	46	170	288	171	151	174	162	164
162	161	159	160	228	47	48	160	46	228	156	360	153	34
34	47	287	229	173	161	47	166	163	156	155	228	167	175
171	520	35	228	228	154	172	167	164	48	167	169	172	154
288	228	153	360	159	391	360	34	46	168	162	159	169	160
228	229	152	360	35	228	157	35	173	167	288	48	234	402
46	165	288	229	163	158	159	163	228	174	153	158	236	48
519	155	165	163	236	157	234	158	34	168	161	160	35	175
155	34	171	229	163	35	173	152	35	234	153	175	234	160
35	228	520	156	163	152	167	172	171	173	155	519	518	175
170	229	174	236	159	169	163	47	391	228	156	153	46	157
228	34	172	160	518	157	154	360	402	171	156	157	236	48
287	229	518	35	155	154	47	155	152	170	287	166	151	169
170	228	161	165	153	288	173	168	160	234	170	158	153	157
160	173	158	34	161	169	235	228	173	161	163	46	171	165
159	228	287	171	35	288	46	161	155	166	173	163	172	519
234	168	519	175	161	46	169	360	160	518	153	161	170	46
228	175	235	360	518	158	520	235	168	229	162	152	391	35
154	174	234	169	46	391	518	167	164	34	288	228	158	519
360	48	163	235	360	163	158	159	159	360	165	151	168	46
170	48	518	160	402	158	46	235	235	34	173	159	520	228
47	151	228	236	166	172	288	168	360	48	288	47	157	152
164	234	172	288	153	158	161	166	154	360	172	154	164	288
288	46	236	360	169	46	46	171	287	46	520	170	156	
518	518	391	228	235	235	35	171	155	173	34	228	162	
236	164	158	518	169	169	164	391	234	160	175	173	164	
175	34	173	170	160	520	163	166	46	518	152	155	171	
172	236	174	391	234	360	164	172	228	34	151	228	169	
174	228	165	156	519	169	520	171	160	165	47	155	157	

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1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29

34 4, 10, 52, 55, 70, 130, 149, 266, 305, 352, 354, 361, 394, 479  
 35 17, 75, 83, 128, 157, 167, 188, 196, 250, 267, 306, 328, 449, 495  
 46 14, 42, 67, 170, 206, 213, 221, 222, 223, 226, 241, 246, 249, 299, 302, 324, 357, 420, 452, 494, 497  
 47 29, 46, 189, 228, 238, 272, 293, 398, 400, 427, 437  
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 151 65, 113, 370, 397, 425, 454, 472  
 152 85, 197, 270, 310, 396, 423, 499  
 153 40, 84, 148, 165, 174, 376, 378, 386, 416, 443, 455  
 154 26, 191, 200, 237, 259, 297, 320, 428, 481  
 155 16, 51, 80, 164, 224, 274, 291, 313, 322, 372, 379, 432, 434  
 156 43, 125, 144, 336, 371, 380, 381, 465  
 157 195, 199, 231, 327, 417, 463, 470, 488, 491  
 158 94, 105, 194, 207, 210, 212, 245, 256, 269, 412, 419, 460  
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 160 2, 22, 112, 117, 127, 136, 178, 187, 263, 311, 314, 326, 359, 364, 413, 482, 486  
 161 45, 93, 166, 168, 182, 190, 248, 277, 330, 331, 333, 348, 377, 422  
 162 7, 9, 374, 387, 442, 466  
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 164 30, 69, 251, 253, 301, 316, 464, 467, 478  
 165 6, 50, 87, 108, 110, 114, 129, 147, 362, 368, 389, 438, 492  
 166 173, 219, 264, 284, 288, 349, 418  
 167 235, 265, 280, 339, 373, 444  
 168 60, 74, 116, 185, 275, 283, 315, 338, 341, 439, 461  
 169 134, 175, 177, 181, 198, 204, 215, 218, 242, 403, 409, 446, 469, 490  
 170 18, 21, 28, 142, 261, 262, 346, 367, 383, 429, 458, 477  
 171 5, 11, 88, 131, 285, 286, 290, 292, 307, 334, 345, 456, 468, 476  
 172 35, 91, 102, 211, 229, 271, 289, 392, 445, 457  
 173 39, 58, 106, 154, 234, 239, 303, 312, 329, 343, 353, 369, 385, 390, 431, 471  
 174 36, 62, 90, 107, 109, 340, 363, 395, 406, 435, 473  
 175 34, 61, 73, 132, 257, 294, 414, 480, 489, 487  
 228 13, 19, 25, 37, 48, 53, 57, 59, 72, 101, 115, 119, 140, 153, 155, 193, 220, 260, 276, 304, 325, 335, 344, 408, 424, 430, 433, 498  
 229 49, 54, 56, 118, 122, 124, 146, 183, 351  
 34 24, 38, 66, 78, 98, 151, 179, 184, 233, 258, 323, 342, 347, 436, 447, 450  
 35 76, 97, 135, 176, 214, 240, 279, 282, 318  
 36 33, 71, 103, 126, 137, 159, 255, 401, 404, 441, 448, 453  
 88 12, 31, 86, 138, 203, 205, 225, 247, 298, 375, 388, 391, 500

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287 8, 20, 41, 82, 95, 150, 295, 321, 382  
 360 27, 120, 121, 133, 139, 171, 217, 230, 273, 278, 319, 353, 356, 366, 407  
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 402 172, 296, 309, 405, 440, 474, 475, 483  
 518 32, 68, 79, 92, 100, 141, 163, 169, 244, 350, 360, 451  
 519 1544, 96, 180, 415, 493, 496  
 520 1, 47, 89, 186, 216, 243, 254, 393, 402, 462

255	352	438
257	354	439
260	355	441
263	356	448
267	358	450
269	361	3
271	363	5
272	365	6
276	367	459
279	370	461
282	373	473
284	374	480
291	375	486
294	376	488
298	379	489
302	382	491
306	384	2
312	385	3
314	389	7
317	391	
318	393	
320	394	
323	398	
324	399	
327	401	
329	402	
332	408	
333	410	
335	412	
336	414	
338	418	
339	420	
341	422	
342	424	
344	427	
345	429	
347	431	
350	433	
	434	

15 MAR 1953  
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To DATE TOTAL	Nº	PERIOD			
170,228	3	170,228.	1 TO 36 (inc.)	23 MAR 1918	
228	6	228	37 " 72 "	15 APR 1918	
228	3	518	73 " 108 "	4 MAY 1918	
228	4	160,360.	109 " 144 "	23 MAY 1918	
228	5	163	145 " 180 "	7 JUN 1918	
228	5	169	181 " 218 "	22 JUN 1918	
228	7	46	218 " 254 "	8 JUL 1918	
228	3	166,171,	255 " 290	22 JUL 1918	
228	3	46,155,160,	291 " 326 "	14 AUG 1918	
228	4	161	327 " 362	19 OCT 1918	
228	3	173,156,288,153,	363 " 398	14 JAN 1919	
			399 "		

21 August 1945 <sup>1945</sup> Roll

Jones Paksy MM  
 Brown Seely MM  
 Smith Hiffy MM

Patsy 10, 10,  
 Seely 10, 10,  
 Hiffy 10, 10,

Dummies

RICHMOND	TODRAK	C HILL	NICHOLSON ST
4	1	44	177/180
6	2	151/175	100/105
7	3	188/190	107/110
8	5	471/473	
11	9	531/533	
12	10		
13	37		
14	69		
	117		
15	248		
16	249		
17	250		
18	251		
19	252		
20	287		
21	288		
22	422		
23	448		
24	477		
25	481		
26	539		
27	540		
28			

Jan 1978

Figures supplied by Robert Green

VICTORIAN YEAR BOOKS.

	1895	1896	1897	1898	1899	1900	1901	1902
Omnibuses	22	21	20	18	18	19	22	57
Cars	358	357	365	358	361	376	372	372
Tramways	324	318	320	320	327	340	359	344

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5 <sup>TH</sup> MARCH	29 <sup>TH</sup> MARCH	25 APRIL	JUNE 7	JUNE 29	JULY 24	AUG 16	SEPT 24	OCT 11	NOV 2	NOV 29	
48	136F	157	166	154	288	46	391	519	170	167	234
167	46	235	234	174	287	391	34	48	153	519	35
171	173	360	58F	520	154	46	154	520	287	157	158
287	174	235	173	169	391	234	171	229	235	167	518
55F	152	173	172	131F	160	46	162	130F	46	171	163
170	160	360	157	288	235	360	171	34	166	160	168
170	153	137F	47	235	288	287	287	156	228	402	170
47	154	96F	172	54F	520	136F	169	156	171	35	236
162	236	161	151	155	288	167	35	235	153	520	172
169	57F	156	34	235	519	158	163	153	97F	47	236
130F	235	171	161	288	163	391	48	164	172	154	391
72F	153	157	54F	160	235	162	229	168	535F	158	360
287	173	402	166	106F	173	35	236	234	519	159	46
171	287	161	229	236	519	34	288	519	159	72F	154
171	287	162	519	402	288	402	34	47	234	234	164
171	47	174	288	519	173	48	236	48	173	518	
171	48	234	47	175	46	520	519	519	156	154	
402	162	520	171	34	166	159	168	34	391	164	
106F	52F	46	402	235	287	519	35	47	234	172	
46	164	154	174	170	391	171	34	170	235	158	
520	159	402	161	48	34	174	154	288	171	175	
130F	153	133F	171	518	136F	166	152	157	97F	161	
162	46	157	228	287	235	35	288	155	518	236	
134F	151	163	160	160	34	35	163	391	47	47	
288	157	163	228	47	97F	536F	235	140F	288	173	
160	164	163	391	235	48	171	170	170	229	229	
228	360	174	173	236	158	167	520	228	163	161	
162	163	228	287	160	137F	162	34	159	47	175	
163	402	174	54F	171	152	360	46	520	288	229	
166	163	173	34	229	152	360	151	159	157	156	
228	520	136F	151	288	170	35	59F	46	161	173	
165	173	158	234	170	391	360	519	154	34	169	
164	51F	166	391	66F	154	34	287	228	35	288	
235	167	98F	58F	47	34	152	170	157	164	391	
520	163	152	172	287	46	360	287	46	48	391	
288	152	360	158	159	288	151	228	287	520	167	

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162	..	6	..
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171	..	14	..
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173	..	16	..
174	..	11	..
175	..	10	..
228	..	28	..
229	..	9	..
234	..	16	..
235	..	9	..
236	..	12	..
287	..	9	..
288	..	13	..
360	..	15	..
391	..	8	..
402	..	8	..
518	..	12	..
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520	..	10	..



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