KASLER
Kastelan & Samways Learning & Educational Resources

PRACTICE PAPER 1
SCHOOL CERTIFICATE TEST
SOLUTIONS

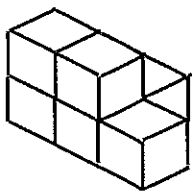
Section 1

1.	B	**6.**	B	**11.**	D	**16.**	25	**21.**	14
2.	C	**7.**	B	**12.**	A	**17.**	8	**22.**	31
3.	D	**8.**	C	**13.**	55	**18.**	15%	**23.**	D
4.	C	**9.**	B	**14.**	77	**19.**	14 kg	**24.**	A,C,D
5.	B	**10.**	C	**15.**	4	**20.**	$3	**25.**	A,B

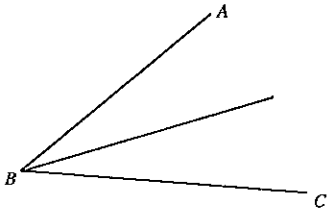
Section 2 Part A

26.	B	**35.**	B	**44.**	A	**53.**	168 seconds	**62.**	3
27.	D	**36.**	A	**45.**	C	**54.**	135°	**63.**	20%
28.	B	**37.**	D	**46.**	A	**55.**	256	**64.**	57 m^2
29.	B	**38.**	C	**47.**	C	**56.**	08:02 am	**65.**	B,C,D
30.	D	**39.**	A	**48.**	A	**57.**	15°C	**66.**	B,D
31.	B	**40.**	D	**49.**	A	**58.**	600 mm	**67.**	B,D
32.	C	**41.**	C	**50.**	C	**59.**	1	**68.**	A,B,C
33.	C	**42.**	A	**51.**	86%	**60.**	$2·50	**69.**	B,C
34.	B	**43.**	B	**52.**	6·375	**61.**	20, 22, 28 or 50cm		

70.

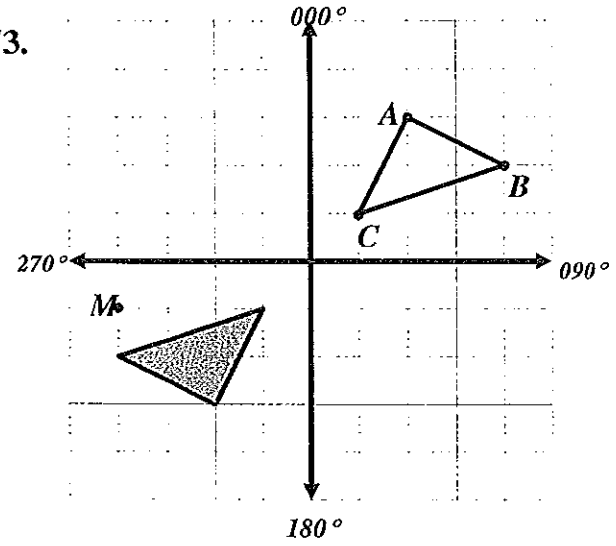


71.

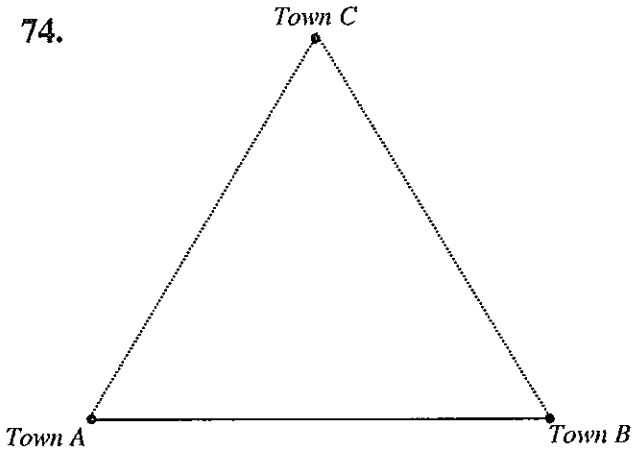


72. (–1, 4)

73.



74.

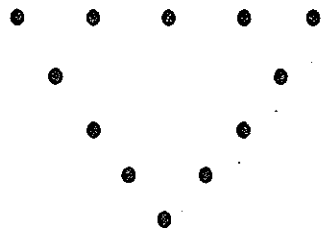


75. Equilateral Triangle

Section 2 Part B

Question 76

(a)



(b) The number of dots in a triangle is given by **three times the side lengths**

(c) **36**

(d) $3x$

(e) **27·7 units^2**

Question 77

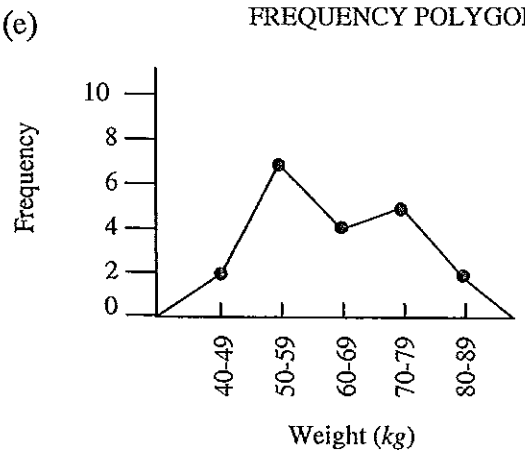
(a) **85 kg**

(b) $\frac{64 + 65}{2} =$ **64·5 kg**

(c) **Because 56 kg is the score that occurs the most.**

(d) $\frac{9}{20}$

(e)



Question 78

(a) 720L × 3 = **2160 Litres**

(b) 720 ÷ 60 = **12 litres / minute**

(c) 588 ÷ 12 = **49 minutes**

(d) **6·4 hours = 6 hours 24 minutes**

(e) $\frac{5760}{1000} \times \$0{\cdot}82 = \$4{\cdot}72$

Question 79

(a) Right-angled triangle

(b) $DC^2 = 25^2 - 7^2$

$\therefore$ **DC = 24 cm**

(c) (i) **(A) 88 cm^2**

(ii) Area $= 88 \text{ cm}^2 + \frac{1}{2} \times 15 \times 13 \text{ cm}^2$

$= 88 + 97{\cdot}5$

$= 185{\cdot}5$ cm^2

(d) Volume $= 185{\cdot}5 \text{ cm}^2 \times 25 \text{ cm}$

$= 4638$ cm^3

Question 80

(a) **Av. Speed = 2 km/h**

(b) **Karen left home at 8am, travelling at a constant speed until 11am, where she stopped for an hour. She then travelled to the lookout where she waited for Mike.**

(c) **1hour**

(d) **4 pm to 6 pm** (Could allow 11am to 12pm or 1pm to 2pm)