

SMD Physics / Mathematics

Graphs

1. At the bus stop

Age

Height

2. Two airplanes

Price

Travelling
speed

Range

Age

Size

Maximal number
of passengers

Age

Size

Travelling speed

Range

3. Race tracks

a)

Track 1

Track 2

Track 3

Speed

Distance

b)

Speed

Distance

4. Drawing graphs

A Growth of a child (before birth)

	2	3	4	5	6	7	8	9
(cm)	4	9	16	24	30	34	38	42

B Experiment: Cooling water

(min)	0	10	20	30	40	50	60	70	80
(°C)									

C Alcohol in somebody's blood (after three bottles of beer)

(h)	1	2	3	4	5	6	7
(mg/100ml)	90	75	60	45	30	15	0

D Cooking time of a turkey

(kg)	3	4	5	6	7	8	9	10
(h)	2.5	3	3.5	4	4.5	5	5.5	6

E Experiment: Boiling water

(min)	0	1	2	3	4	5	6	7	8	9	10	11	12
(°C)													

F Car moving at a constant speed

(s)	0	1	2	3	4	5	6
(m)			30		60		90

G Time needed for a certain task

	1	2	3	4	5	6	10	12	15
(min)									

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5. What can you read from these graphs?

Time-distance

A y
distance

B y
distance

C y
distance

time x

time x

time x

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Time-speed

D y
speed

E y
speed

F y
speed

time x

time x

time x

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